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<210> 22216  
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tgatgagggtg tggtcgatc aggttcatgg ggagtccctt gagatgtctt ggtctaatgt 360  
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<211> 268  
<212> DNA  
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<400> 22217

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ttttttccc actaacccaa cctttctgaa aactaaaaat tcactcttct caaaaattcc 240  
actgccatat aatccacctc tcccctct 268

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<211> 465  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
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ctgcanc~~g~~ga gtagtagtaa ttatcgata ggacgctg~~c~~ gtagatgcat gctgacgagt 180  
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ttaaggatac ggctacttaa ggtgagttg gtgtcgctac ctgtgggaag aagg~~g~~actcg 420  
gaggtacaat cgcgaagaag attggatagg tg~~t~~cg~~g~~gac tg~~g~~ta 465

<210> 22219  
<211> 481  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E10

<400> 22219

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taataatcta cgtgttgcta ctaccatcaa tattattaca cgtgctggcc atgatcgaac 180  
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tataatctcct tactcttatta gtcgtaagac ttatcacgag aacactaaga cggacgatct 420
cggtcatttc actacgactg atacgaacca tcgtttaat acgacacgta tttctaacgg 480
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<212>	DNA
<213>	Zea mays

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acggtaCTAC TGGTTGTGTC TCCGGCGTCA GTTCTGTGT CAGCGGTGGT TATTGTTTA 180  
taggcagtgg AGGTAAAGAA GAAGAGAGTG GTGGAGAGTG GTGAGGTGGT GGAGGTTGAAG 240  
aagactttagg ATGATCCTCG TCTGATGTGCGTGTAGGTTGAAGGGGAT GGATTCGGCT 300  
gcgcgtAAAGG AGCTTCGTGT CTCTCTTGTAGCTTAATT CGGCCTCGCA TGGTAGGACT 360  
tagcgtaagg GTAAGCGTAT TGAAGTAGAAG GGTACTATGG TGTTGGTTAC GAAAGCTCGT 420  
taggaggagc GTGATAAGGT GCATGCGGCG 450

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<212>	DNA
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<223> Clone ID: LIB3066-033-01-E1-B11

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cagttgttgtt cttggtgcc gggcccgctg ctattggttg tactcatcgt gataatcg 180  
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gttgttatcc tgagctgttag taggcttatg ataaggtgga cgtgatgatg ggtttggtg 300  
gtcggcatag gacggagact agtggtgatt attaggatga gactcgtgat gcgtgttcgt 360  
ctaagagttt tgaggtggat cgtgttgaga ctgattatct ttgtgatt 408

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<211>	244
<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B12

<400> 22222

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cgctagaatt tggtctccctc gatctctcta cacgtacgaa tggaattacg gcgctacgac 180  
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tcac 244

<210> 22223  
<211> 332  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B2

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cgacggattg gccttctagt cggttaggtga tgcataattg gctgcatttg atggtggaaag 240  
agaggttagtg gtggccttag ggcgcattgtt gtaataccga gtataactgag gttattaaatt 300  
gggtgggtaa ttgcgtatgcatt atgtctggtg ag 332

<210>	22224
<211>	455
<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B3

<400> 22224

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attgtactgt cgatgatgct actttgtcg accctaaggt tggtattatt cacaagatta 180  
tatctagtagtac tcaactagtt ctcgacgacg aaccacaccc taaaagagtc tattcggcgt 240  
ctacgccagt aagataaacac ccccctcacg gtcaccccgc ggtattaaat tatttaagaa 300  
acacgcgacg tcatacgctt tcctcgacgt tccgcccgc cgggcccaca ccaccataca 360  
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aggacttaag tccatgcatg tgcgtacgtg atgct 455

<210> 22225

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B5

<400> 22225

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acctttgcc gtcgtaccag ggtacgttt tgctacgcag tagcaccgcg ctcgtcctcg 180  
tcctacgggc ttatacttcg gcactcccac cttacaacga cacacacacc aaccaataaa 240  
tcaaaatacg cacccacccca aggggcccgc tgattggacg agtccgtctc ggtcggcgta 300  
cggacggaag aagtggact agtcgatgtt gctgaatccg tcgtctacta gagataaggc 360  
tgtgtctggc agtattt 377

<210> 22226

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B7

<400> 22226

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actgcgtacg gcgagaagga agagctaaag ggtactgacg tgaaagtgc tggttcggc 180  
gggcttcctg atactattaa gccgggtgtt ctggtaacg gtaagataga tagtatgaag 240  
gtcgcgtagg aagtacgggt actggtgcgt ggtggtatcg ggaagttagat aacttctaca 300  
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<211> 383  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-033-Q1-E1-B8  
  
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cgtcctacgc cgcgtaggc tacactcgac cgtcggaccc ggtaaatttg tgccggactt 240  
cgcactggcc agcttccgtt cgtaaggccct ccggccggccccc gccccggcgg ctgagttactg 300  
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agtggactcg aggtgatgac aga 383

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<211> 379  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-033-Q1-E1-B9  
  
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ggttctggtg gtacttcggt ggttagcgagt gtgggtgcctg cacgctatcc ttgggtgccc 240  
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gtgaagaagg cgtcgctcgg tgtttttaggg tagggagtggtgg tgggtgtgc ggaggctcgg 360  
aactcggcgt gtgcggggc 379

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<211> 416  
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<223> Clone ID: LIB3066-033-Q1-E1-C1

<400> 22229

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aagagagacg gaccccttta ttctgggtgt ggtggtaggg gaggtgggttgc cgttgggttgg 180  
ggatgtatgcgt cgtcttgctc gttatgatttgc tccttggact ttgcgtttagg tgaatcgtct 240  
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ccgtaagcgc tttacccgct gttgttccac aaactcatcg gcgttgcgtc taccactagg 360  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-C10

<400> 22230

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ataatcaaacc cgaataatag tttaagttgc aaagtgcggcc tagcctagga caagtctcg 180  
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gacgtcccggtt aggttagccag ggagtcgcctt agcggcgacg ggttaggtaaa gaaaggatgg 360

aaaggtaaa atgaagctt ctccttcttgcgcgtact ataggtcgac gataagttt 420  
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<210> 22231  
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<213> Zea mays  
<223> Clone ID: LIB3066-033-Q1-E1-C12  
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tctgtggttt cgggtcggtt gctgcttctg actgctggtt cggcgctcag tcgtatggaa 180  
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<210> 22232  
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<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
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aaaaaggaag cgccggaaaaaa acgataagaa gacacccggaa tactaacccg aaagagacga 240  
cagaagtggg agcttacccc ggctacggca ccaagaaacg gaactttaaa acggtttcc 300  
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<212> DNA  
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<223> unsure at all n locations  
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caggacccta taggcggggc cgacggtcac agtttaaggt cgtttcgagccgatacatcg 360  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-C4

<400> 22234

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<223> unsure at all n locations  
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<213> Zea mays  
  
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gataggtcgg ggtagttggg tgatattcat gatgatccta ttggtcttac gttttagaggt 300  
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<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-H3

<400> 22237

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<210> 22238

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H4

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cggctccggc aaaccacatc aagtcgcgtt ggagatgaag aaggtcgctt gcgcgcgtt 180  
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<210> 22239

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H5  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-H6  
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gcacaaggcat atatacggcg tttatataata ctacataactc cgatcggtca aaaaaaaaaaaaa 240  
aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaagaaaaaaag 300  
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<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
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ccgatgttga ccagtgcgtg tgctcatccg tgacacgcgg caatgggttc ctccggccgt 180  
ggcgctcatcg gcctcctcggtt cggccggcc tccctcgccg tcggcgtctc ggatggcgac 240  
gggatggcgaa cgcctgtgtt cgggtacgcg gggggagcc ccaacgggcc ggagaactgg 300  
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atcgtc

366

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<211> 442  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-H8  
  
<400> 22242  
  
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ccttttagcg ctcttctgtg tcgtcatgg tgagaaggca aagtcaaagg acaacgatgc 120  
aaaagcgtcc gggcccggtg ggtccttcga catcaccaag ttggcgcct ccggcaatgg 180  
caagacggat agcacgaagg ctgtcagga ggcgtggca tcagcgtgcg gcggcaccgg 240  
gaagcagacg atcctcatcc ccaagggcga cttcctcgtc ggaccactca acttcacagg 300  
cccatgcaag ggccacgtga ccatccaggt gaatggcaat ctgctggcga ccacggacct 360  
aagccagttac aaggatcatg gtaattggat cgagattcta cgcgtggaca accttgcata 420  
caccggcag gggaaagctc ga 442  
  
<210> 22243  
<211> 357  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-H9  
  
<400> 22243  
  
agaacgcctc cgtagagttc ttcgatatac ctggtctctg caacgactca tccaactacg 60  
gggagatcga taccgacgag cagatcgac accgcgcact atttctgcag gaccgcacgc 120  
atatgatcat gtaccagatc cttgtgtggc cgctcatacg gctggagcta ggcatgaact 180  
ggactggcta catgttaggt caatacgcca tggcatcga gctgatagag tacgtgcacc 240  
gtgccgagct tacgatagct ggtggccca ttgagtggct ggaccacatc gagatctacc 300  
cggtggccta gcagttaggca gggatgtgcg tcacggcaac cgaatacatg tacttca 357  
  
<210> 22244  
<211> 230  
<212> DNA

<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-033-Q1-E1-A1  
<400> 22244

gatctgtatg gtgattgtaa gatcgataat tagttcagt gagcgcgatn gactcgattg 60  
tttgactggc tcgaatttcg ataatttgc taagcctgac gtaatacccg cctaccttcc 120  
gcgctgaata cgccggcgaaa aaaagggaaa cacacacgag taccggccgc acccccccgg 180  
tagccgcagt cgccatcatt atgcaaatacg catgtaaagc tgcctgtacc 230

<210> 22245  
<211> 429  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-033-Q1-E1-A10  
<400> 22245

ggttggaact ttgggctgtt tatgtgctgc cggtttcttc tattgtgctg cgcttactca 60  
gacttaaagt ctctctcgcg gtacgctgta gttacggta agaatcattt gattgcgagt 120  
gttgagcata gtgaggtcgc ggataagggtt aggtgttaagt cttgagttc tactgttgag 180  
aagagtcgtg ttttgtctac gtcttgcgttgc ttgtggggat gcctgatgcg 240  
ctgctgagga ttggcggctt acctggatgc acgaagtact agctggacc ggtctatgg 300  
gtcaatgtgg ggtcgatgc tggcgtgg tcgtctgagt ttactaagga ggagccttta 360  
acttccctcc atgttgaccc tcattagtcgtt gttggagccg cgggtgcgg 420  
gggttcgag 429

<210> 22246  
<211> 474  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-033-Q1-E1-A11  
<400> 22246

ggcttggaaac ctttggctg atttatgtgc ttgtggatgt gcgggtggat gtgcgggtta 60  
ctccttcttg ttattacgtc tactgttggg gaggatcatt ttccttctc ttccctttc 120

tctttctt tctcttcgc ggccgatcat tgggctgctg gtgaagggtg aatgatgtta 180  
cgttggtgga ctacgtagg gtcggactta taaaagtcgg acttgccgag ggccggacct 240  
ctcccgcagg gtcggactta cgagggagc gtatggtgc tgctgttag tctgaggcgt 300  
gagggtacgc tcattcattt gaggattcat gactctactt acgtggatct ggcacctatt 360  
tcgcata tagga atagggagaa gacttctcg gccgctaaga tgcaccggat cattacgaa 420  
gttacgatta aaactagcag taggatcgct aaactcacca acgacacgaa agaa 474

<210> 22247  
<211> 387  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A12

<400> 22247

ggcttggAAC ctggggctg atttatgtgc ttgttatgt gcttgagact gtgagtggTT 60  
ctttcccccc cccccccccc cccccccctg gtaggtaaGT caacgcAGTT acaaacgggt 120  
aaagacaaca tagtaccctc ccggcacata agccacttc cttgcacgt agaaccttag 180  
tccacggcgg aatatcctca agcccggtt gtaactaata tcgtataactc tacccaaaaaa 240  
atgaaggTTc aacagacgca gaaaccaaAT caaaactcga aagtccata aaacgcccgc 300  
acttgcttc tcagtacccc cggcgccgca aattatattc tcggccattc caatcagaaa 360  
taagtaatca attcgacacac caactcg 387

<210> 22248  
<211> 330  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-033-Q1-E1-A2

<400> 22248

gcttggat ttgcgggtca gcctcagact gttgagtggT ttttcccccc cccccccccc 60  
atagtgaatg gttctgttag gttctgcgtc cctagtctac gcaccatagc accttcacg 120  
gtttgcgcta agtatgtatg tatcacacaa aacatatcca cacatacata cgatgcgt 180

catgataatg atgaagaaga acgaatagtc agtagatgca ttggtggttg acctataagc 240  
gcatagaaaa tgactgatct tatcttaatc acatacactt catcacggtc nccgtcataa 300  
tttgacggac taaaaagtac gtacgtacgc 330

<210> 22249  
<211> 317  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A3

<400> 22249

tggaccttg ggctgattta tggcttgat tatgtgctt ggcgaatggc aagtcaagt 60  
aggagttcgg gccggcgaat gtaagttgc atgagaaggg gcggaccact aaggctaagt 120  
ctactgacct atgtgagtct agcctgtcta cggacggcga taagcatctg aaacctcgtg 180  
aggaagaaga ttgctaccga agaaactaga gggctcctcg aatattaaag attcgcgctc 240  
taagtctcac tagcgtccct cggctcgag attcgtcgcg ataaacccaa accggtagg 300  
cctaccgtac ggaacaa 317

<210> 22250  
<211> 360  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A5

<400> 22250

tgggctgatt tatgtgctt tttatgtgct tggtagtgga ggtgggttgt aagttcgagc 60  
ggggttatgg cgggttgatt gatgtcggtg gtcataataa tcgggtggag gatattgctc 120  
ctccttggat tgataatggc gggcggagta ttgagcatgg tgatcctcct tcgctgcggc 180  
atctgttagac gtcgtcgag tatggtgatt gtacttcgct gggtgttatg cttgcgcctg 240  
gtgtggtgtt tgcggaggct cttgcgaagg cgggtggtagt ttatcggtat catggtagtt 300  
ggctttatgt ttttgagtct attgtggtc atcataatat gtgggttat gatgggcatt 360

<210> 22251  
<211> 128  
<212> DNA

<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-033-Q1-E1-A6  
<400> 22251

cataataatg ggttctaata tattgcncct ccctgtggcg ataatggcgg gcggagttt 60  
gagcatagtg atcctccttc gctgcggcat ctgtagacgt cgtcgagta tggtagttgt 120  
acttcgct 128

<210> 22252  
<211> 175  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-033-Q1-E1-A7  
<400> 22252

tagtgcgtgg aagtttaatt acctttctt agacatctt cgtatattatg tggatgcgggg 60  
atagattcgc atttgcctgc ttattcttcc ttgtatggga tctcgctac tcctgttaat 120  
gattgtctta ctgcgcctga tttaagaat ggttaggctg cttgtgagcc ttttg 175

<210> 22253  
<211> 307  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-033-Q1-E1-A8  
<400> 22253

atggaagggt tgggttgcatt tatgtgcctt tttatgtct tgaattaccg ccggatctgc 60  
cttttcttcg tatgttaattt tactcggtcg cgttagactta ggacgggtgc ttcttccgag 120  
attccgttct ttggagcgtc tctggcgagt catccggccc tgaccacta agaaaacttgc 180  
ccgtcctacg ccgcgttaggt ctacactcga ccgtcgacc tggtaaattt gtgccggact 240  
tcgcactggc cagttccgt tcgttaaggac tccgcccggcc cgccccggcg gctgagttact 300  
gtacgcc 307

<210> 22254  
<211> 414

<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-H2  
  
<400> 22254

cccacgcgtc cgaaaagtta tgggcttcag tttcaactgtg cattggatat gtaactttct 60  
ggtgtggacta tttttctgg agcttgcgaa caagttggg gttggagcag tctatgcagg 120  
ttttggtggg gtctccctgc tgacagcact ctggcctac aatttcatag ttgaaacaaa 180  
aggacgttcg cttgaggaaa ttgagatgtc ctggcaggt gctaccctg gcaagcaaga 240  
gtagaacatc tcaattgtat ggacaaactg aacaactgac gggaggaatt taataagagc 300  
agagggggcc taatccatg aatcttcagc agcagcagtt tggcaaac aacatcaact 360  
cctatagata atgagcacaa tcaaatttcag ctttctttg gtagcatgag aatc 414

<210> 22255  
<211> 324  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-033-Q1-E1-B1  
  
<400> 22255

gggaaaatgt aagatttcag tattttgtt ttgctgtga tgggtgtgg agcagagaga 60  
cggtgtggga tgaagcgaat ctggctcatg ctgggtggtc ctggcatgag gttaatgagg 120  
agacgtccctg tgatgttcct gggcatcatg gtattactgc tcttgctaag gcgaccaacg 180  
actacgtcgc taaaggtaag cgccacggcc ccgcacatccc tatctatccc agagtcgtcg 240  
agtaagtaac cgtgggtacg gatggtaaga aaccacgtaa ttgcaccggcc tgagcaaacg 300  
aagcgtgcat aagagttttt gtga 324

<210> 22256  
<211> 438  
<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-K1-F9  
  
<400> 22256

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gaacatgtac cagtcaaga acatgctgat caaggacgtg accgtacgg cgcccgaaaa 120  
cagccccaac acggatggca tccacatggg cgactcatcc gggatcacca tcaccaacac 180  
cgtcattggc gtctgcgacg actgcacatc catcgccct gggacctgca aggtgaacat 240  
caactggcgtg acctgcggcc ccggccacgg catcagcatc ggcagctag ggcggtacaa 300  
ggacgagaag gacgtcacgg acatcaacgt caaggattgc actcttaaga agacaatgtt 360  
cggcgccgc atcaaggcgt acgaggacgc cgncttcgtg ctcaccgtct tcaagatcca 420  
ctacgagaat atcaagat 438

<210> 22257  
<211> 324  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G1

<400> 22257

cccacgcgtt cgccccacgcg ttccgcacgg cggtcgccga cggtgggtt ttttttttgt 60  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120  
tttttttttt tttttttttt ttttttttat tttttaatt ttttttata atggtaaat 180  
gatatttgaa attgagaaag aatgggtgtt gctgctgaat aaatgtacat tgagattgag 240  
attttgttta aaaatgttta aagttcaaaa taaccggta ctgatggag gacaatattg 300  
gagattttta aaaatgctgt aaaa 324

<210> 22258  
<211> 271  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G10

<400> 22258

cgtcacgcgt cggctgtcgc atccgcggct ttccgcgtcc gggcacgcac tccctcacgc 60  
gtgcggggaa ttgtcggcgg gaccaggacc atgccatgac ggaggctgta gaccactagc 120  
gctgctatac ggacagtggc acatagcaaa ttgcacggg acgtgaacca atctgttagtc 180

gcatggcgac tgcaccttga atacatggtg ccacattatg acataacaacc taggtacgag 240  
cactaacctg gtcttgacgc agaatttgg g 271

<210> 22259  
<211> 439  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G11

<400> 22259

ggcatttcat ttgctcaacc aagctccaat atcagcataa gcgacatcac aggggagaca 60  
agaggtggtt cacggattgc ctggaaagt gagatgtcag gtggcatatc ggaagtacgg 120  
gctgagggcc tccgcattgt caactccctt cacggatca gaatcaagac ggccccggag 180  
cgccggagggt acgtggagaa tgtgtacata gcagatgtga gcatggacaa tggatcgatg 240  
gccatcacga tcactggaaa ctacggtgaa catcctgatg acaaataatga cagcactgct 300  
ctccctgtga taagcaatat tacaatcaag gatgttggc gcgtaacat tggggttgct 360  
ggtatattgg aaggcattca gggggacaat ttcagcaaca tttgtctgtc caatgtttcc 420  
ctcagtgtgc aatctgcac 439

<210> 22260  
<211> 402  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G2

<400> 22260

ggaccaggta agcagcagca ggaaccctag caccggccca tccgcagcca tgggtatcga 60  
cctcgttgcc ggtgggagga acaagaagac caagcgcaca ggcggaaagt ccgacgatgt 120  
ttatctcaag ctccctgtca agctctaccg tttcttggc aggaggacca agagcaactt 180  
caatgctgtc attctcaaga ggctcttcat gagcaaaacc aatcgcccac caatctccat 240  
gcccgcctt gtcaagttca tggaggaaa ggagaagaac attgctgtga ttgttggcac 300  
agtcacagat gacaagagga tccaagaggt tccagcaatg aaggtaactg ccctgagggt 360  
caccgagacg gcaagggccca ggattgtcaa tgctgggg ga 402

<210> 22261  
<211> 334  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-G3  
  
<400> 22261  
  
gcgggtggcgg agatgtacct gctgggcatt accgacaaga tcgtcaccag cggctggcgt 60  
acgttcggct acgtcggca cggcctcgcc gggctcacgc cgtggatcat gttcaggcct 120  
gagaaccaca ccacgcctta cccgcccgtgc cgccgggcca agtccatgga gccgtgcatt 180  
cacggggccgc cgttctacga ctgcagggcc aagcacggcg ccgacacggg gaagctggtg 240  
ccgcacgtcc agcaactgcga agacatgagc tgggggctca aacttgccta tcccgagtga 300  
aacagcaata ataatgaaaa agaatatctt tttt 334  
  
<210> 22262  
<211> 395  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-G4  
  
<400> 22262  
  
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ttatggatgc tggcactgggt tttacatctc aagtatacga actttcttagt tactttctc 120  
acaaggaatg gataatggaa cagtggaga gaaatttcta tatcactgca ctggctggtg 180  
cgaataatgg aagctctttg gtgattatgt caagaggaac acaatatgcc cagcagtcc 240  
acaaaatggaa tgatacattt cctttcaaat ggataaacaa aaaatggaaag gagggcttct 300  
atgtcactgc tatggcaaca gctggaagcc gatgggcagt tgtcatgtcc cgcaatgctg 360  
gtttcacttc tcaggttagtg gagcttgatt tctta 395  
  
<210> 22263  
<211> 414  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-G5

<400> 22263

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cgatgcgaaa gcgtccggc ctggtggtc cttcgacatc accaagttgg ggcgcctccgg 180  
caatggcaag acagacagca cgaaggctgt gcaggaggca tgggcacatcg 240  
cactgggaag cagacaatcc tcataccaa gggcgacttc cttgtcggac aactcaactt 300  
cacaggccct tgcaaggcgc acgtgaccat ccaggtggat ggcaatctgc tggcgaccac 360  
ggacctaaggc cagtacaagg aacatggtaa ttggatcgag attctacgcg tgga 414

<210> 22264

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G6

<400> 22264

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atctgcatga agactccgtc ccccgacctg tgcaccagga cggcggggaa gcacgccaac 180  
aagtacaagg tggtggacgc ggtgacggtg ctagagatgc aggtggacgc gttcaagaag 240  
cgcgtaagg cggcgccggag gctcgccaag gaggaggtca agacggccgc gacgcccggag 300  
gcccggaggcgctgaacct ctgcaagacc tactacctgg acgcccggca caacctcgcc 360  
gcctgcaaggc gcgcacatcg 22264 cttccgcgcac gccgtcacca tccgcgccac gatgagca 418

<210> 22265

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G7

<400> 22265

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gctccggcgg ttgatgccc 22265 agtcctcgaa accgaaccca aacaacagga tcacgatcg 120

gaagctggtc gagcaccct ggttcaagaa ggggtacagg ccggccgtca tgctggcaca 180  
gccgcacggc tccagcagcc tcaaggatgt ccaggtcgcc ttcagcaacg ccgaccacaa 240  
ggacagcagc accaagggtgg aacagccggc ggacagctcc ttgaagccgg cgagcctgaa 300  
cgcgttcgac atcatctccc actccagagg gttcgacctg tcaagcctgt tcgaggtgga 360  
ccaagagcag aaggccagca actcgccgtt catgaccctag aaaccggcgt cggcgatagt 420  
gtcaaagctg gagcaaatcg c 441

<210> 22266

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G8

<400> 22266

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acgcattccg tgctgaaatc cttccctgcc ctaaattccg tcgatggaag tccgaaggaa 120  
gcacagagta gaggtgaaat tcatgccaac tcatgccaac tggatcttagc cgtggagccg 180  
cgcccgagga ggaccgctgt ggtctgccga ggccggccgg ttgggcacgc gccgcgttgg 240  
gatgcatggt tgctggggcc agaccgcgcc cgccctgcg ccggatccga ggccgaggcc 300  
gccccttgc cggaggcag agcagttcgc tgctcgtggc cacgcggagg ccgagcgggc 360  
ctgcctgcgc gcccgggtg gcgaggccga acactactca catctgtgta catgcagtcg 420  
c 421

<210> 22267

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G9

<400> 22267

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ggactatctt agcttcaaga gaccgaccca ggcaagatcc attgatcgat ggagctgctt 120  
cctctgtca cgtggctcct cttgcgcac gccctggcct gcctggcctg gacggccgcc 180

gcgcggcgcc ggcagtctcg gtgctacctc ctggactacg tctgccacaa gcccagcgac 240  
gaccgcaagc tgtccacgga gacggccggc aacgtgatcc agcgcaacgc gcccgtgggg 300  
ctcaccgact accgcttctt cctccgcgtc atcgatcgct ccggcatcggtt cgaggagacc 360  
tacgccccgc gcaacatcct ggagggccgc gaggactcgc ccaccctgca ggacgcgggtg 420  
gacgagatgg acgccttc 438

<210> 22268  
<211> 340  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H1

<400> 22268

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ccagcatcaa tgtcgagaac gttgaggaga accgcccgtgc cctccgttag ctcctattct 120  
gctgccctgg tgctctccag tacatcagcg gtgtgatcct cttcgaggag accctgtacc 180  
agaagaccaa ggatggcaag cctttgttg atgtcctcaa ggagggaggc gtcctccctg 240  
gcatcaaggt tgacaaggc accattgaag ttgttggcac tgataaggag accaccaccc 300  
aaggccatga cgaccttggc aagcgctgcg ccaagtacta 340

<210> 22269  
<211> 326  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H10

<400> 22269

gaattcccgaa cccacgcgtc ccgtccagca tcctcagcca cagaaaatgc tctgtggcgt 60  
gatggcacat tcttacacgt cacgtattga cgagcaactc atgcacagtt ctatttatac 120  
ccctggatca ccctataactt gcgtatgtccc tatggtacaa gaggccatag acgccatatg 180  
taggatccac ggatcatcac cagatgagaa gatagacatc acctaagcta ttataaagag 240  
gctcgactgg atccaagccc gcactctttg ctggcatcat agcactgggtg atgagcaatc 300  
taaccatgat ccgaatgacc cgccaga 326

<210> 22270  
 <211> 376  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-032-Q1-K1-H11  
  
 <400> 22270

cccgccccgggg cggctagttt aacgcgcgct cctgccgacg ccgcactcgc ccccggtctc 60  
 ctccccgcctc ccagatctcg ctcgctcggc gccagttgcc tcgcagtttg gatcatctca 120  
 tacctcggcg aagatgaggg agatcctgca catccaggga gggcaatgtg gcaaccagat 180  
 tggcgccaag ttctgggagg tggtgtgcga tgaacatggc attgacccta ccgggcggta 240  
 cactggcaat tccgacacctc agttggagcg tgttaatgtc tactacaatg aagcctactg 300  
 cggacgctt gttcccccgcg ctgctctcat ggatctttag cctggaccaa tggacagtgt 360  
 ccggaccggga ccctat 376

<210> 22271  
 <211> 408  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-032-Q1-K1-F8  
  
 <400> 22271

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 gttcctcctg gtcctttct gcatcgtgca tggtgagaag gaagagtcaa agggcatcga 120  
 tgcgaaagcg tccaggcctg gtgggtcctt cgacatcacc aagttggcg cctccggcaa 180  
 tggcaagaca gacagcacga aggctgtgca ggaggcatgg gcatcggcgt gccgcggcac 240  
 tgggaagcag acaatcctca tacccaaggg tgacttcctt gtcggacaac tcaacttcac 300  
 aggccttgc aagggcgacg tgaccatcca ggtggatggc aatctgctgg cgaccacgga 360  
 cctaaggccag tacaaggacc atggtaattt gatcgagatt ctacgtgt 408

<210> 22272  
 <211> 207  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E11

<400> 22272

ctgacgcgtt ggccggacgcg tgggcgtact ttttatctat atcagtgga gctaaatgac 60  
gggagggacc atatctaccc acggacggtc tctcacggtc attactgggg gcagcgccat 120  
gatgccgtt gttatattct acgttcacat agtggtcgtc gtacacatcc accacttact 180  
ccaggagcgc tacttctgtg acaaata 207

<210> 22273

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E12

<400> 22273

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gagacgtgcm tcgacgggtt ccccgatgac gagttcaagg ccaaggtgaa ggagtcgttc 120  
aacgatggga aggagctcac cagcaacgccc ctggcgctca tcgagaaggg gtcatcgctc 180  
ctctccgtgc taaagggcgg ctcgaaacga cgggtgctcg aggaggaggg agaaccggcg 240  
caagccgggc ctgcactcga caaggacggc atcccgaaat gggtgcccgaa cagtgagcgg 300  
agggtgctca agggccgcgg cttcaagagc acactcacgc caaatgtggt ggtggcgaaa 360  
gacggcagcg gcaagttcaa gaccatcaac gaggcgctcg ccggcatgcc aaagacctac 420  
gactgaagat acgtgatcca agtga 445

<210> 22274

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E2

<400> 22274

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ggcgctcgca gagctgagga cgctaccgta ggaatggag cagaaaccag gaggaggaga 120  
cggtactcgc cccaaagtct ccgtcaacct atctaattgt tagtcgtcag tcttttagac 180

gggaagagag atcatttggg cacagagacg aaggcttact gcagtccat cgctagagct 240  
gccatcaagt acaagttaggc aaattcgtca acttagtgtg tcccatgttgc 300  
tcgtccgctg ctgtaggctt tccggccgctg gtcgtttgtg tggttggcat ccgtggccat 360  
gcctgtgcgt gcgt 374

<210> 22275  
<211> 384  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-E3  
  
<400> 22275

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cgaagcggag tagtggaaagc agaggccgca gccatggccg tcatggagaa gctcaagatc 120  
tttgcgtta aggagccgt agtcgcccgc tcctgcctca tcgctggatt cggctcttt 180  
cttccagcag ttgtccggcc aatcctggat tcatggcaga ccgcggaaaca agttccctcca 240  
cctcttctaa atgatgtggc tgcaggtgtc accggcaaga aaaagtatgtg aacttgcatt 300  
gttttctcat gccaatgttg ccccacattt tcttcccggt gtttttctg gcgaccagat 360  
tggaaggctt ttcccaagag tcac 384

<210> 22276  
<211> 401  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-E4  
  
<400> 22276

atcaaatcca cggtttaata acgaaccgtg ttaacttacc ataacaacaa ctcaattcct 60  
atcgaattcc ttccatatcga attcctatacg taaaattcct ataggataga acgtacacag 120  
ggtgtacaca ttatatatga atgaaacata ttcatataact taagcataact cctttttta 180  
tttaatgagt tcatatataat taaatatctt tttttttaga ttttgcaaa gtttcattt 240  
acgcctaatac catatcgagt agaccctgtc gttgtgagaa ttcttaattc atgagttgt 300  
gggagggact tatgtcacca caaacagaaaa ctaaagcaag tggatggattt aaagctgggt 360

ttaaggatta taaattgact tactacaccc ccgagtgacga a 401

<210> 22277

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-E5

<400> 22277

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cggcagctgg ccaaggagaa ggcgtacgag gcggagaagg tcgtccagca ggagatgctc 120

aagtacgcca aggagaaggg tctggtgtcc ccgaccaacg gcacggggtg gtacaggggc 180

atcgccccggg agttcgtgga cgccccacaac gagctccgag cgcgctacgg cgtgccgccc 240

atgaagtggg acaaccagct ggcgcggcag gcgcggcgct ggtccaacgc catgcgcaag 300

gactgccaga tccttcacag cggccacgag tacggcgaga gcgtgttcag gagctacgac 360

gactggAACG ccaccgnac ggaagccgtc ttctgggtggg gcaa 404

<210> 22278

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E6

<400> 22278

cggacgcgtg gactctaata ctgtgctgtt ttatTTcat ggcacctgtg gccattaaag 60

atccatggac acgtacagta ccaatacatg attttcaca gttcaaaaaa aataaaaata 120

aaaacaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaagtaat aaaaaaaaga 180

tataaaagga tcacaaagac aatgaaccat gatagtgcac taaactacat atggcaagcg 240

cctttgaact gcctcttcaa acttcaccgt gaagatcgac aacattggtg ctgcataatgc 300

ccaatccgag gtacttgcaa cgctaagagg acactatggt actgcgagac gagtagctt 360

gaccaatcca aagtatggtg caataacttgc at 392

<210> 22279

<211> 439

<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-E7  
  
<400> 22279  
  
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ctttgattgt atacattatc taaataatac actaaaggta aaaaaacgat ttttttatga 180  
attcagttaa ttcgtatata tacaaaaata aagtaagaaa tgtgattaag tttgaaatgt 240  
tagtttacg attgtgccac ttggtttatg aatatctgtg tatgtacttt taagagtaaa 300  
acaacagcat gttaaggcct aagtgcacatct aagttattct atatattatg atcataatta 360  
acaataaaac acgaggaagc tgcaaattgt ttcattatTT tcttcttcgt ccgatgttagc 420  
attccattta tgtgtgctc 439

<210> 22280  
<211> 427  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-E8  
  
<400> 22280  
  
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gagtggctgc gggagtcatc catccattgg aaaggggatc tgcaggatct gtctcaccac 120  
ttgtagaaag attaacttg ggtggtaata gggctctcggt gtgccgcttgg tggaccat 180  
cttcactatt aggcttcaaa acaagagggc tacgggcagc aacagagtcc agaacacatg 240  
accccaacac tcctggcaat ggcacttccc cttccctga gctaaatggt cttggaggtg 300  
aagtagcggt gacagcctt gccgacctgt catttgcatct gcctctgaag ccgctcagg 360  
agctggaaat ccatggtcat gctttgtct gtgctggaaa tcttggtaga ttaacggaat 420  
gtgatct 427

<210> 22281  
<211> 293  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F12  
<400> 22281

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gaccagcact tggcagtgc gaccggatca taaaaacttg tggattatca tcccactgg 120  
ggctgtattg gcttgattgt gtattgcacc ttggattgta acttgcaaga tactctagcc 180  
atgagctgtg tgcaacttga atttataaac acaacatata agatacaatt gacgcacgtg 240  
cactaactgc cattccagca gagctttagt aatgttataa aacataaaact aac 293

<210> 22282  
<211> 339  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F2  
<400> 22282

cccacgcgtg cggacaatta tctcgtaacc ttccggctc ctcttcctat cctcggtgc 60  
ccccaccaaa ccctaattccg agcaccgc gttccaggcc ctacccgctt cctctcgcc 120  
cgcccttgg ggctctcacc ctgagcgta ggaatccgca gggctccagt tgggtgccag 180  
aagcatccaa gtcgttggcg ggagaccggg aaatggcgg aaaaagagggg gcaacgttg 240  
gggcggaaaga gatgaaagag cgggagcagg aacgggaggc ggtatgacgtg gacgtgaaga 300  
ttcgacgatt cgacggctgc gacatcgcc ccgagcgct 339

<210> 22283  
<211> 366  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-K1-F3  
<400> 22283

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cgatgaagct gctggccatg tcgtccctcg ccggcctatt tccatggcca cgacaaaatt 120  
gaggatcggt taccacctac ctgcgtccat cgatgaacc tatgtcgctg ctgcttaact 180

gcacatttag attgagattt tttgggttgc gctgctgctt aactgcacat tgagatttag 240  
attgtgtggt gttttgtttc aggttcagcc tcaccgncta ctgtggggag gacaacattt 300  
tagttntaga ctgctgctt acaagtacctt actggcctac ttcattttca gggtgccctt 360  
atttctt 366

<210> 22284

<211> 390

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-F4

<400> 22284

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tcctcgacgc attctccggg gttccggcc accgggtgtcg cggtggtgaa caagggatg 120  
ggcgtatcgt atccgtcaca cagtangccg gacgtgctgt ctagtccggg gacgcccagc 180  
tgcaatccgc gtgggatggc aggcgttggc taccaggcagg gtcctcggttc agaaagatg 240  
atccccctt ggaccggcca tacaaggccat tctggagcgc gcatgggttt accttacagc 300  
actgggactg ggaggacgct gccatcgaaa tgggaggatg cagagaggtg gatcttcagc 360  
cccaacccca ccccaacaat gcactcggga 390

<210> 22285

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F5

<400> 22285

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aaggcttag aaattaccag aatataagtt acgtaaagaa agaccgtcgt caaaaaccat 120  
ctccacatca ccaaattggat aaaccatcaa aaacgttct agcttaatct tggacagaat 180  
aattttcaaa gcattatcat aatcataata tctcagccat actctagaaa gaggtttac 240  
cagatacgt atggatccat ggcaaaagcc aattccaaag tgcatttcaa cagggctgc 300  
aaatgacagg caaacacttt aaaaggatct atggacatc agtggcaaac actttaaaag 360

gatctatggg acatcaagtgc atttcaagcc atcatccttc atggtgcaaa cctattacca 420  
aagtatcaga ttttttata gcatttt 448

<210> 22286  
<211> 261  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F6

<400> 22286

ggaagtgtgg atgtcaattt tggtgcattt gcttgggtct agtgctacaa actgtggagc 60  
acccattcca agttgtgttag tgggtttcgg gtgccttggc gaatgccttt gcatacctaac 120  
acctaaagtgcggacattt cgtgaggctg gcttcacaga gcagcgagta ccgcccggca 180  
ccagagggtgg aaggataatg agccgctatg ctctaggcca attagggAAC atgtgccctc 240  
tatggtagac cactatcttt t 261

<210> 22287  
<211> 353  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F7

<400> 22287

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attccacatg aacatgtaca agtgcaagga catgctgatc aaggacgtca atgtgacggc 120  
gccccgtgac agccccaaaca cggacggcat ccacatgggc gactcgtccg gggacaccat 180  
caccaacacc gaaatcggcg tctgcgacga ctgcatttcc atcgaccccg agacctacaa 240  
ggtaaacatc accggcgtga cctgcgtcc cggccactgc atcagcatcc acagtctagg 300  
gcggtaacaag gacgagaagg acgtcacggta tatcaacgtc aatgactgca cgc 353

<210> 22288  
<211> 427  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E10

<400> 22288

ccccacgcgt acggccacgc gtccgcaaga tcctgttga gttcaaggaa gaaaaatctt 60  
aggacaggga aaatatcgat gccgcgagag cgtgggctgg tcccttgtct gggaatcgac 120  
tcgttgttgc tctgaggaac cgctgatcgat atactgctaa cgttacaatg aaactgccag 180  
caataagcct tcatgggtat gctgcctatt ctgttaggga tctgtgaaag catgaaactc 240  
tatcgaaaaa tgcgtacga acttttggcg ctcaagttga cgtgcacatg accaagatgt 300  
acatcttttc tcctgcaacc attgtcgctt cagttcgatc aggaccggtg gatccaagat 360  
gacagcacccg ctattgttca aggatatgtc acgacaacaa gcgccttcgg ttttcctgct 420  
gcattct 427

<210> 22289

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C5

<400> 22289

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ttagaatgct caatgcgcct tacattcaaa tttcaaggcc tgattgaggt tgaaataaat 120  
acttgaaggc cagatctgtt ccttatgttag cttgcttccc ctcgtctagg ggcggaggga 180  
gcttctagtt aggaatgctg gattagttt agaagttgca gactgttaga atgctcaatg 240  
cctagttctta gtcgcga 257

<210> 22290

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C6

<400> 22290

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gcccgcggc gggcgacctg aaggcgcgtg agatccgat gctggccgc atctctgaca 120  
tagagctcgc gttgcagaac caccagatcg ggtcgctatg catctccagc gacttctcat 180

agaaaggcga agtactcgcg gagactaccg agaggaatat ggacgtcgac atgaccgcgc 240  
tctgcctgcc ggactataac gagcgccaaac agcccgccga gtactatgac ccgtaccatc 300  
aggagctgca gccgcctg 318

<210> 22291  
<211> 426  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-032-Q1-K1-C7  
<400> 22291

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tgctatacca cctctcgatc actgtatcg tttgccttagc tcgtggcatt atcatagccg 120  
gtgttgtga catagctcca cgtcccactc ctctacctct tcctccgcag ccacttctt 180  
caccctctcc gactcctcggt cttccaggc ttggggccccc tactcgcaact cctcctcttc 240  
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gtccatggtt gggggcacct tctcctgccc gtgttctcg tcctccacgg ctcggagcac 360  
ccccctgtac tcctgttctt ccgtctctc gagtaggtgc tccatttcc gcaccttctt 420  
ctgttc 426

<210> 22292  
<211> 390  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-032-Q1-K1-C8  
<400> 22292

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gagcttctgc ataagaacaa caaatcaaaa gcgtgtatcg ctcggtgcca aaaaaacctc 120  
aacaaccaag tttcatgtct gatctcgacg tccagcttcc atctgcctt gatccgttt 180  
ctgaggcaaa tgctgaggac tctggtgctg gtcctggAAC gaaggattat gtgcgtgtgc 240  
gcatccagca ggcacacggc agaaaaggatc tgactacagt ccagggtctg aagaaaaggat 300  
tcagctataa caagatcctc aaggatctga agaaggaatt ctgctgcaat ggtactgttag 360

ttcaggaccc agagcttaggc caggtcattc 390

<210> 22293  
<211> 370  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C9

<400> 22293

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ggatcgagac aaaaccttga agctcactta tgaagaaaaga attcaaatgt cgaaggaagc 120  
cggaccagaa atggaccctt tgggtgacct aattaccgaa cttgaaaaaa aacttggtgc 180  
gtttgttaagg gaaaagtta ccccaaattt ttaatccgg attaggtatc cttgggctgt 240  
acgtccgttc tacacaatgc cttgttatga caacccatcg tacaccaatt ctggatgc 300  
cttcattcaa ggaggggaga taatatctga ggcacaaggg atacacactc cagatctgg 360  
ggccaagcgc 370

<210> 22294  
<211> 246  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D1

<400> 22294

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accacttgat agacctttt tattttta ttcaataaaa ggatataagg tgtgtgacaa 120  
caacacaaat attgtattat ctatgtatct cctatgcaat cccaaattta tcatggacac 180  
attttaaaat gaatacatat ttttaatgaa taatcgaaat atatgataca tatgtatcaa 240  
ttctag 246

<210> 22295  
<211> 396  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D10

<400> 22295

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tccagagaga tgcaatgtcc ggctcgcgat acatgactta cccgggcaca caggtcacat 120  
tcatcttcgt ctatgatggc catggttgcc catgagacct tcggttgcat caatgactac 180  
ctatgcaacc atctcagaaa gtttgcaact gatcgcatgt ggatgtcagc aaacctgacc 240  
cggttaagctt tccaagctac tgaagatgga tgactctcta tagtcagcaa ggaatggct 300  
gtgaaggcatg agattcgaca agacgactgc cgatacctcg taagcataat cagcgatctg 360  
acatctgtat gtggtatacg tgttcaactc aaatgc 396

<210> 22296

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D11

<400> 22296

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gcttttagtcc cagtttctg ctttggcag agctatgcat acaagtggtg gaggcctgg 120  
ggtaaattgt ttatcaagat cgctagagca gttaaattta ctcctattat cttctggat 180  
agatttggca caccattccc cttccaaaaa cccatgcatg tggcgtggg taaaccaatt 240  
gaagtcaata agattccccca tcctacaatt gacgagacaa ttgcaacagt atgcattttc 300  
ttggcgggaa aagttgacga aacacccaga cctctgaagg atgtcatact tctttcatat 360  
gagatcatcc acaaaaagga tcctgctgca gttcaacgaa tgatacagaa ggaagtata 420  
gaacaaca 428

<210> 22297

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D12

<400> 22297

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gagtgactca ccagaagttt gctcgccggt atggtttct tcttgaggat gttgcacatctc 120  
aagatccact cagtgttca gttgcaattc ttcatcagtt caacatTTA cctgagatgt 180  
atcaagttgg ctacacaaag ttgttcttcc gaactggtca gattggcaac cttgaagata 240  
ctcggaatcg tactctgcat ggtatTTAA gggttcaaaag ctgtttcagg gggcatcaag 300  
cccgcatca tgcaagagaa cgaacaagag gagtttgac tcttcaatca ttcattcgtg 360  
gtgagaatgc acggcaaatt tactccttctt tgttgaggaa acatagagcc gcagttgttt 420  
tgcagagaaa tgtgagatgt tgg 443

<210> 22298

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D2

<400> 22298

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cgccgcggccc cttccctcc gcggcgctgt cctcgacgc tctccgatcc aagatgtata 120  
agctggggag aggaaaccgc gacaagggtgc agcagttcat gaccattacc ggcgccagtg 180  
agaagggtgc cttcaggca ctgaaagcta gtgattggca cttggaagga gctttgact 240  
tcttctatag ccaacctcag gtttctgtgg tcaatactcg gcatcttcaa gatattttca 300  
acagatataa agaacctgat gctgatatga taatggtgaa aggaatatct caattttgca 360  
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<210> 22299

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D3

<400> 22299

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tcatcgacaa ggagaagggtg atgcgcgtcg gcatgatcga ccagatcaag cgcgagatct 180

ccgtcatgcg cctcgtccgc caccccaacg tcgtgcagct gcacgaggtg atggccagca 240  
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<210> 22300

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-D4

<400> 22300

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gtatctatgc agtgggaact atatcagaca gttattcaaa aatgtacctg aacaccaata 120

gtacgttggaa gaacgttgct tcgaccagga ttactatctt cgatctgaaa ctctgataag 180

cagaattgaa gacaaacgat cgggtacttg gggaatatgg aatttattta ctgttggttt 240

acctagtagtact tgcctaccag ccaggcgccc caggggacga cggcaaagat acagtctcgg 300

gtattaggat ggcaaaggca gcgatagata aattctactc caagtatatg ttgggatcac 360

gtaagctggt gcttgaccca cattcaacga tctttggcaa aaggatgctn gtcaaaaagtg 420

cgatcat 427

<210> 22301

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-D5

<400> 22301

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gttcgccccg gacgacgccc cgagggccgt cttccccagc atcgtggggc gcccgcgcca 180

cactggtgtc atggtcggga tggggcagaa ggacgcctac gtcggtgacg aggcgcagtc 240

caagaggggt atcctgaccc tcaagtaccc catcgagcac gggatcgtca gcaactggga 300

cgacatggag aagatctggc atcacacctt ctacaacgag ctccgcgtgg ctcccgagga 360

gcaccccgtc ctctcaccg aggcccccct gaaccccaag gctaacaggg agaagatgac 420  
ccagatcatg ttcgag 436

<210> 22302  
<211> 82  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D6

<400> 22302

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aatttctact atcttcgttc tc 82

<210> 22303  
<211> 272  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D7

<400> 22303

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gacgttagatgc atgtcctaattt ttagtgcgtcc aggtatggata acgtatattac tatggacatt 180  
gtgcgataag agatgaacgc ttgtggcaga cgtatgtcaa tcagtcaggg tgagagactt 240  
ctacgtgaca tatctgaagt ttatgttgc ac 272

<210> 22304  
<211> 425  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D8

<400> 22304

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tttagggcgct tgggttatttgc acacagagga aaatcaacccat cacaaagatc gaaagtcgtc 120  
cacacaagga gaggcctttt cgtatctgc atgactgttc ctcactctta aagaattttt 180

attacctctt ttacgttgac cttgaagcat caatggctga tccaaagatt cagaatgctc 240  
ttggaaatct gaaggagttt gcaacctttt taagagtctt cggaagctat cctacaaatg 300  
tgaatgaacc ttagaaaaca ctgcagatta catgatggat tagcaggaat ggacgaaatg 360  
gtttgagttg gttctctgag caagttgaca agtggaggacc tctatgaagc tgatgctaac 420  
attna 425

<210> 22305  
<211> 343  
<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-K1-C4  
  
<400> 22305

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cggacaaaagc cggggccgtt cggcgggagg caggggacgc acgggcaggc agccatgaac 120  
ggcatcaacc ccaacggcgg gttcctgtcg tacggaaaca tggagagcta cgcgatgtgg 180  
gtggcgaccg gcgtggcgac ggccttcttc gcgtccctcg agcgctgctc ctgcacatccac 240  
ctncacacccg cggaggacga cggcgtcgag gaggaggagg acctcgagga ggcggccgc 300  
tccttctccc gcccgtatccc tgagtactac tacgaccggc 343

<210> 22306  
<211> 80  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-D9  
  
<400> 22306

aaaaaaaaaaaa aaaaaaaaaaa aaaaaacaat ttaaaaaaaaaaaaaaa aaaaaaaaaaaa 60  
aaagaaaaatt tgtcagacga 80

<210> 22307  
<211> 273  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E1  
<400> 22307

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gttcttggtg actgttgctg cgggtggcga cttggaagac gtcacctgca ccgctgttcc 120  
catatattat tgatgtgatc tgatatgatt atatatgcat ggtgacgggt ttatgataat 180  
tccatagaca taatttaatt taatttatgt atttgttca agtcgttctg taatcatgct 240  
atgaaatata tgatttggtt ttccatattgt ttg 273

<210> 22308  
<211> 369  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B1  
<400> 22308

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tcccccttc caagcacgct tatcaaacca tcaaccctaa catattaagg cactgactta 120  
attcacacgc agaaatcaac ggttgcagg aaatcgtcca tgccgccc gaggtcgac 180  
ccaggcatct ccggaaagac gtcgttgata tcgtcgaggt cgaggtcgat ctccagttcc 240  
tcgtccccga agtccccaaag cagcaggtcc tgctcatcgt ccaggcagaa gggcgcatcg 300  
gagacgttcca gagcgtcaag cccggcacgg aagtccatcg ggctgatgtc tggcagctgc 360  
aggccgcgg 369

<210> 22309  
<211> 422  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B11  
<400> 22309

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tgcgggtgctc ttctacatcc tcgcccgtac tgcctcagc gcggccgaag ccccgccaga 120  
gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaagagaa ctgctgcccc 180

cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgtcgtc 240  
taagaagtct ggtccagcta ccgcgcacgc caccgcctct acacccctt cttccacgga 300  
cgaggagttg agcccttccc cgccagcatc caccgcgcgc gctgcccctg cggtgaagg 360  
accggctgct gatgactccg ccggtgctgc tgcccttgg agtggagctg ccatgcgg 420  
cg 422

<210> 22310  
<211> 282  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B12

<400> 22310

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acatgcttca agtgcagcca ctgcaaaggg atcctctaca tgagcagcta ctattgcattg 120  
gacggcgccgc tgaactgcac gacccacttc gagcagatct tcgtggacac cgacagcttc 180  
tccaagatct tcacgccaag tggccagttc tcagacatgg gtgtactggc ctgaggcccc 240  
agcatgtat catctgcgta gtctggact cacgagaagt gt 282

<210> 22311  
<211> 303  
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<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B2

<400> 22311

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cggacgcgtg ggcggacgcg tggcgacgcg cgtggcgacgc acaccaccgc atgaaattgc 120  
tctcgacgcc cgattgagcc gagcgatgtg agagattggg agaccatgcc ctctccccgc 180  
caccatggat tcccgctgt gtggccaact gggcactgg aatggctt ggccgttcac 240  
cggtcaactg ggatcatgcc cagggccgtt gggatgtgc gagttggctt gggagaatgg 300  
agc 303

<210> 22312

<211> 252  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-032-Q1-K1-B3  
  
 <400> 22312  
  
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 aaagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 120  
 aaaataaaaa taaaaataa aaaaaaaaaa aagaaataaa aaattgtga agtcgaagta 180  
 gaatgcata cattttgca aagaaaaagt taaatatata tcttgtcaaa aaagatttaa 240  
 atgatcttat tt 252  
  
 <210> 22313  
 <211> 371  
 <212> DNA  
 <213> Zea mays  
  
 <223> unsure at all n locations  
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 gcgcccccttc cgaggcccg cgccccccgc ccctggcacc ggctacgttc gccgcggccc 180  
 cgccccctgccc ccaggcccccg ccgacggcgc caagaccctg cgcaagcccccg tcttaccac 240  
 cgtcgaccag ctgcgcccccc agacgcacgg ccacaccctc naccgcccccg tcacatccgc 300  
 ccgcaccgtc ctgcacaaggc cttcacgca catcgcccccg acccgctcg cagagtgcct 360  
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 <210> 22314  
 <211> 385  
 <212> DNA  
 <213> Zea mays  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB3066-032-Q1-K1-B5  
  
 <400> 22314

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gcctccgacc tcgaccttgc cttccagctc caggtcgccg aggccatcca agcctccctc 180  
ggcttgccca atgcccgcgc cccgtcatca tcgtcgcaag ccgccccaga gtcatcctcc 240  
gacgccacct acgccttcgc cgtccaggcc gccgatctcg cgcgccgaga ggaggaccgc 300  
cgcgacgccc aggcctgccc agccgncaac gcccggccg ncgncaacgc ccgcgtcgtc 360  
gcgcacgacg ccctttcgc ccgcg 385

<210> 22315  
<211> 391  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-B6  
  
<400> 22315  
  
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gggcccgcgtc gtgcgcgcgc cgccctaccg gcacgcttt cggctaccgc gacggccgc 180  
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tcccgacgca cgcgctgctc cgcgagctcg gcccacgc gggcgccgc atcgtgctgg 300  
aggtcgagaa gcgcgcgcgag cagggcaccg ccgacggcaa cgaggccatc gccaccaccg 360  
accacgacgg gtgggtgctg gaggagctca t 391

<210> 22316  
<211> 273  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-B7  
  
<400> 22316  
  
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ccaccgagga gaaggctctc cttgtactca ctaggcaagg agggggcgaag gcgccgcagg 120  
aagggaacgc cgccaccgc atgcccgcgc ccacttgtaa tctccgcgtat gctctagcta 180

gctacagtac ataacaatgc aatgagcgag cgaccggcaa ttcaaactcc aatgccgtat 240  
gtaatcggtta agtaaagtac ctgatcatta agt 273

<210> 22317  
<211> 357  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B8

<400> 22317

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caaaggcattt tcagaagtat ggagctataa ctgattctgt gatcatgaag gacaagcata 180  
ctaggatgcc tcgcggattt ggatttgtta cattttccga tccatctgtg cttgacaggg 240  
ttcttagagga tgaacatgtc atagatggaa gaacagttga agtcaaaagg actgttccaa 300  
aagagggaaat gtcatcgaaa gacggtccta agacaaaaaa gatctttgtg ggtggta 357

<210> 22318  
<211> 426  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B9

<400> 22318

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aggacaagtt gtcggctgag tggatgccc tgaagctctc ttggggctcc atgtgcagga 180  
tggacactgc caaggcgctc aaggccct tctctatccg cctcaccagc gattccggca 240  
agaacgtcat cgctaaagac atcatccgg cgaactggag acccgatgcc gtctacactt 300  
tctacgtcca attctactag actttgaatt gccttcgatt catacggcgc ggggtctat 360  
ggacctgcag cagcaagcta attaagctgg ccgatatcta tataatataat aatggaagcc 420  
ctggc 426

<210> 22319

<211> 391  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-C10  
  
<400> 22319  
  
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tcgctggcac tatcatatag tatctatctc ttagattca acttcctcaa ctgctttact 180  
agagttggtc gacttgtctt tgttaggagaa gtgtctatac atctcgagag agtgcacacca 240  
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cattccactg gccgactggc tcgaccgctt atgcagactt ggctaatctg ctattcagag 360  
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<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-K1-C11  
  
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cctccgactc agagcaattc gtggagatgt gcagggtgta tcaacacctc aagctgaaga 180  
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gtgtggccaa gacgttactt attcttacca tcagcaccaa gagctatgag cttaggatact 420  
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<210> 22321  
<211> 440  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-K1-C12

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gcaagatcac cgaggacttt ctagcgtctg cgcttgggtt gaaggagacg ctcccgccat 240  
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tgcagttgtt ctccgagttac aaggcgaagg tggngggcat ccacgagagg gccctttcg 420  
tggtctgctc cggcagcaac 440

<210> 22322  
<211> 382  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C2

<400> 22322

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acgagatccg catcacggcg cagggccggc cccgcaacta catcacctat gcgtcgccc 300  
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<210> 22323  
<211> 351  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C3

<400> 22323

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<210> 22324  
<211> 468  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H4

<400> 22324

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gaggtcgctcg gtcgttaccg ttgcacccctg gccggacttt gcccacacac acacacacac 420  
acccaagcat cccaaacccgt gctctgatac gctgatcgac ttacctac 468

<210> 22325  
<211> 452  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H6

<400> 22325

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caagcgtcta ccgctccgtc gccgcaagcg ttagtataag tacacacatg gtgcccacac 240  
acatcataca tcttgactgc ctaaa 300  
aaaagaaaaa aaaaaaaaaaa aaaagaaaaa aaacagaaac gaaataaaga aaacacaaaa 360  
aaaaaaaaaa aaaaaaaaaaa caaaccaaac gacaacacaa aaccaaacca accgaaagca 420  
aaccgggtgg cggcccgacg ggaaaaatcc gc 452

<210> 22326  
<211> 504  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H7

<400> 22326

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cgtggcgagg ggaagtagta gctttgact gatactgcta ttaagtaggt tgctttgtt 420  
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<210> 22327  
<211> 473  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H8

<400> 22327

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ggaggtgcgg gtactagtgc gtgggtgtat tggaaagtag atgacttcta ctttaaggg 300  
tgatccttct gctggattat ctaatcctat aggttacgt aagggtgatg cgattactta 360  
ggcgaacggt aactcgctgg tgattatgga ttcaagttag cataaggact acggcaaccg 420  
gactgagacc tcatgtgcgg ataattccgc tactatttgt aaggaaaagt ctg 473

<210> 22328

<211> 490

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-H9

<400> 22328

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ggatgttgtg tgtctccctc gtaggggtgt atgttagacga ctactctta gacttcccg 180  
ggatgccta ctgggtcgta gcctggtacg agtggatgg gtgatactct ggagtagcat 240  
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tttacggggc ggtcggttt tagtgagact catttgcgg ttgcgtggct ggtggtgacg 360  
agtgcataatgg cggttgctaa tacgcctcct atggttccta ctgggttagac tccttctatg 420  
tcgtctcggtt attcnntgtcc tggttctcct catcctcctg gtgttcgggc gtcgtctacg 480  
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<210> 22329

<211> 378

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A1

<400> 22329

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caataaagta tccaaacccta acgatccgga tcgccttacc ccgcgtcatac cacgcgaatt 180  
gattcgatta tcctcgatt ttccccgttt ttttgtgggt ttccatatctt cttcgatcg 240  
agtgcgttaggg tttggggcgcg ctccgtgggc ggcgtactcc agggtcatacg ttagttggac 300  
gggcttagggt gctttctcac cggggaaagg gaagcgaatc caaacgatgg agaagaagaa 360  
ggtggcgatc ccgctgg 378

<210> 22330  
<211> 441  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A10

<400> 22330

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tgcctgcacg aggacgctga ctaccggccg gtgatcagcg acgtcgtggc ggcgctctcc 180  
ttactagccg acccgaaata ctaccctacc ggaggcacat gaagctgaac acatgagcac 240  
gcatacgagg acagacaacg atagcagacc tcctaggacc tagaaggta cgtgagacga 300  
cgacatgaag catagatgac cgtatagggg gagctaacta acgggaaaca tggcaaagg 360  
aggatctgca gagctgtctg aatgatctct tcaatctgaa ttctgtataa ggcacaccac 420  
gtaggcagga tgtaacatca t 441

<210> 22331  
<211> 380  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A11

<400> 22331

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acatgtgact acaggatgac gctgccagcc ggtcgggat catggacgatc ttccgcgagac 180  
tctcggtct ctccgacactg caatactacg ctcacggagg cacggaagct gaacacaaga 240

tcacgcatac cattacacac aatgatagca gtccttctac gaccgatgtg gtctgcactt 300  
acgacgacat taagcataga tgaccgcaga gggggagcta attatctgga cacattggac 360  
aggtaggatt tgcaagagctg 380

<210> 22332  
<211> 412  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A2

<400> 22332

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aggcgggcta cctcgtcctc caggtcaagg tcgacggccg cgtgcgggtgg aaggtcgca 180  
gctggatctc cggccactac cacctttcg tcacctgccc cgcgttcctc gtcaccgccc 240  
gcggcaacgg cgccccccgc gcttccgggt tcaggttcca gaccaccacg tactgccacg 300  
tcgaggtta attaggagcg agaggaagca gagaccatgg ctacctctct agctgctgct 360  
cctgcccgtg cctgggtgtgg gaataactct ctctatctct ctctctctct ct 412

<210> 22333  
<211> 308  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A3

<400> 22333

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gtccacatga aatccttctc ttctgcaagg ttgactgacc gtatgcgtat gctagctcag 180  
aaccttagagt accaaatcat ggcaagggac tgctcagtgc acggagttct gatctgcgt 240  
cgctttgcc cgaactggtc ggcgtgatga gtgcacatgc gtctgattct gagtcaggaa 300  
aacatgat 308

<210> 22334

<211> 344  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-032-Q1-K1-A4  
  
 <400> 22334

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 cccatcccat tcccacgcaa aggcaccgag cgtgatctcc gtccgtgccg ccatggcctc 120  
 gcaccgggacg ctgctgctgc tgctcctcgc cgccgcgcgc gtcgctgcgc tggccgctgt 180  
 cgcatacgcc gacgacgcca acgccaagcc caccatcctg acccccggtgg cgcataccccc 240  
 gctggggtcc ttgcacggcg acaagccggc ctctgacgac gacgcgtcg acgacgacga 300  
 ggaacgcgcgc cctgtcgccgc cgcccaacgg ggccaccatg actg 344

<210> 22335  
 <211> 423  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-032-Q1-K1-A5  
  
 <400> 22335

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 gagcgaggca ccggtgagtt cgggaggcgg cgtggggctt gcacgcccgc cctacccccc 120  
 gctcactcac cacgctcttg tctgaccaac tctctctctc tcttatctcc ttccaagatt 180  
 ccccccatttt ttgtgtttt tccccccat tcttgcttagg atcattcctt gattttcgc 240  
 tcgctccagt acgcctgttt tccagctccg gagatcccat ctccggccacc tcctgcggtc 300  
 tccaagctcc aagaggccag attccagcac aaatttgagg tcaatttgcc cgctgagctc 360  
 gaatcaatcc gctcgcaac aagtgtcatt tgttcccccg atccccgggc ttgcattcga 420  
 tcg 423

<210> 22336  
 <211> 381  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-032-Q1-K1-A6

<400> 22336

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cagccttcgt gtccatgtgc tacccttctt caggttctac agaggagcac agggacgact 120  
ctgcagcttc agctgtacaa acgcaactat taagaagttc aaggatgcac ttgcgaagca 180  
caagccagat agatgttagct ttggcccaac ccgggggcta gacgaatcgg agttattagc 240  
cttggcagca aacaaggaac tgcagttcac ctacaccagg gagccagaac tgactcccag 300  
gggagatacc cccggggagg tcattgctcc cgagccgc aagttcctg ccgctacaaa 360  
gcctttggtc aagctggggt c 381

<210> 22337  
<211> 411  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A7

<400> 22337

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cgatcccaca gaaacttttc tctcggtccg ttcgatcgat cgctgccgtg tcgtttgcca 180  
gacaccatca gcacccaaaaa ccatggcctg caacctggct cagtgcgcc accggccgc 240  
ggcgaccgtc gcgcggccca cccctcgccc tgctgcgtcc gcgtccgtct cttctccgc 300  
gaggaagecg gcggggggca gcctgcggct gcagcggcag gcgtgctgca agccgtcggt 360  
ggcgccgtcg cggcggtgt tcgcctgccc ggccgcggcg tcggggagcg c 411

<210> 22338  
<211> 509  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-E1-H3

<400> 22338

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actagatcta ccccccggtc tacccaccat cgaaccaaac cgggacgaaa gctgaaacgt 180  
aaaatccccca gacggaacgt agactcctcg actcctaccc ggccgttcc ctagcgaagt 240  
tactatacta gataaacggt aactacggta cctaaatcca atccgccagt ctottcgcga 300  
gtagtagcaa gttggctct tcccgaccac taatcggtcc tcgcctgcaa tagacccgg 360  
acgttagcggt aatccggcta ggtacagacc tctccgagct taatttttagc aggaactaaa 420  
ctaagacgtc ctatanaaca cgaaaaatcg gcgatatacg tatgccgacg gaagcattac 480  
gtcggttac gaggagaaaa cctagaaca 509

<210> 22339  
<211> 491  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-E1-G11  
  
<400> 22339

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aagcgagacg ctaggcggta cactggaaagc atgggtcgcg ggttcttgta ccgctaatct 180  
ttcctatggg actagaacta agatggttt ggggtgtgga gggcatgcgg agaacgcgca 240  
tacagtagac gcgagttacgg ataacgccc gacggttact aggactatcg gaaatcatgg 300  
cgaataacttc gacgataaac acgatagtat cgtctcttgc gcgacaagta acaccataac 360  
taaggacgcc gccggtgcca ataccggggc cgtcggcaca ccggaaagggt acctagggga 420  
taaccctagt aatacccgct cgcttaacgc cctttcttagc gcgtaactcg tatacttacg 480  
gaaccgccta t 491

<210> 22340  
<211> 134  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-E1-G2  
  
<400> 22340

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agattaagt tatagggttg aagcttcatg acgcccactc taagtcttcc gctaagtctc 120  
attgccctcc ggct 134

<210> 22341  
<211> 479  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G3

<400> 22341

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tggtgggtct atgttgcgga ctacgcctag gttcgagaat tatattatgt tccattttgtt 180  
gcgttggtgg gttaagctta cggagttgcg tacgtatggg ttgttgcctc atgatcgtag 240  
ggtaagtat ggtgttata tgggaagtc ggcgttgtat gcttagtatac gtgaagatac 300  
gagtcgggggg tctaaatccg cttactttga gcgaaatagt accaacaacg aaaagaacac 360  
tcccccaac ggctgaaaaa aaaaaaaaaaaa aaaagggtgg ttgtctcaga ggacttaagt 420  
ccatgcatgt gcgtacgtga tgctacagtc tcctcacagc gctattcaaa cctaaccta 479

<210> 22342  
<211> 495  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G4

<400> 22342

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ctaagcacat gaatccctca gccatccctc ctataaggaa cggacaacgg aatagcggga 180  
gagaaaccct cacactatcg tatcggtcgg cgtgaacaac ggaagtctcc cggcaccac 240  
gctaagagga atataacacg tttagtagct tcataaagca agcgacatac cttccctaa 300  
acggacaaat aaaaaacgga aggagggtcc tcacgctatc gtcacggtaa tagtcggaa 360  
ttgacgggta gccgctacgc tttgtaacgt cggccctatc ctctaggcag cggagtccga 420

ccctccacac ttaagcgagg gtacttatac gtgccggat aacggtcact gtaccatgg 480  
aatggtcgtt atacg 495

<210> 22343  
<211> 506  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G5

<400> 22343

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ctgcgtacgg cgagaaggaa gagctaaagg gtactgacgt gaaagtgcctt gggttcggcg 180  
ggcttcctga tactattaag ccgggtgttc ttgtaacgg taagatagat agtatgaagg 240  
tcgcgttagga ggtacggta ctggtgctg gtggatcgg gaagtagata acttctacat 300  
ttaagggtga tccttccgct ggataatcta atcctatagg tttccgtaaag ggtgtatgcga 360  
ttacttaggc ggacggtaac tcgtcggtga ttatggattc aagtttagcat aaggaatacg 420  
gcaaccggac tgagacctca tgtgcggaca attcggctac tattggtaag gggaaattccg 480  
atgggttaggg ttacttgcg cgaggt 506

<210> 22344  
<211> 489  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G6

<400> 22344

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ctcgttaggtg gggaggtgt ggtggcggtg gagactcgta cgaagatctt gctttttgtat 180  
tcgcgtatta ggatgggtgg gaagtatgtt aataagcata aggcggcgga tgtggcgatg 240  
gcgtcagaga cgtaggcgga tgtgcctaag aagtgtgcga aggtgggtgt gagggtctgtt 300  
aaggaggagg ctaagatgggt tgtgtatgttt gaggtgtggaa ggggtgtcgaa ttctcgtaag 360

attcatcatt cggatgtgc tgataattct ggtgttcgta agtgtgttac tggccttgt 420  
gatgttgcta ttacttgtgt tatgacgagt acggcggtgt aggatatgta gaatcgtgat 480  
gaggagcct 489

<210> 22345  
<211> 501  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G7  
<400> 22345

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tgaattgaat ttaaataata ggactatgac tgagaagtgc gctgagtatt ttccgcctaa 180  
gaaggggcat aggttggttg ctacgtcggt atagttgtat ggtcttagta gttctaaggaa 240  
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ggtggatagt cttccgaagt tggtgaggtc gaatgtgcct gatactactc tttatcttag 360  
agggcctgat tcgctaagtt cgcctgaggc ggattaagag tagaaggta gtaatctgtg 420  
gcctacgatt tagaaattgg tgctggtgac agcgctaaag tcggagttaga ctgtcgagat 480  
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<210> 22346  
<211> 505  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G8  
<400> 22346

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gtttcaaaacc ttgctgacgg aagcttgaag ggagtataga gcagaggcga aacctacgtt 180  
aatctacgtt aatctgcctc agttgcggag ttgtgtttga ggaggattgt cgccgctcg 240  
tgaggttgggt tggccgggta tgggttgc cggacgtac ggccgtcggg gtttagattgt 300

gtttgttttc gtgttggact tgaggttgag gttgtgttgc cgtttggagg tagagtagcc 360  
tgtcgtctgc ggttatgtgg aggttgagtg ggttcggtcg tgtgtgttgg gcggtgaggt 420  
tgaatatcat ctatactcgc gcataacgtag ctgtcgaaaa gtaggcggt gccttagatt 480  
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<210> 22347  
<211> 410  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-E1-G9

<400> 22347

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tttaggttaag acttaccgac tgacggagtc gtccttctcg tctatgcggt cttttccgt 180  
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tggtaatgcg acttagtgta atgtgtggtc ggggtctatt gatcattgtc cttccctcntg 360  
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<210> 22348  
<211> 486  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-E1-H1

<400> 22348

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aattgctgctg tttcttgcga gtcttcaccc cgtcggttcg gcgtctctta gcataactgt 180  
ggcgcgactt ctcctgagga gatttcgcat tagaaagatta aggacggtaa gttcccccgc 240  
gacgcttcta aggagggagg tgcttcttgc ggtactaagg ccgataaggg tattaccgag 300

gccgccccgt a tcgacaagga gattattatt taaggttacg atgattccgg taagtgtcgt 360  
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actact 486

<210> 22349  
<211> 385  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-032-Q1-E1-H10  
<400> 22349

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cctaacctac atttcggac tatttcacct ccgcgacgct ttgacggccg aagaggttac 180  
agatttact cgtaatagtt atggaatatt attagacgag aagaccgtt a ctattaacgt 240  
caccacaaac gcacttaacg gacttaagtt tataatctccc gtcggacta cagtatccgc 300  
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<210> 22350  
<211> 491  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
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aataacggta c gatttcatt gggtggcata tcggtaacct tgattcctag ccggagtg 360  
ccaacgctca tcataacgaa gttcncgtg gatgtccgc ctttgcgtc gcctctacgg 420  
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<210> 22351

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H12

<400> 22351

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tattaggcga ctactagggt aactttgcct aagagcaggc tccaaaggag ttgacgtcgt 360  
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<210> 22352

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H2

<400> 22352

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aataagcccg gggccggagt agtcacgta ggccccggcg gggcttttc gtcgatagta 180  
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cttccgagta gcgtcatttt cggtaagta gagcagaata ctctaaccgc acggataaat 300  
cgaataatcg atgggaggaa cccaaacaaga gtagaggggg ttcaacttta cgaactccta 360

gtagtagtag cccgccgtaa ataataactaa tcttcacaga caacgagtat aactaaacct 420  
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<210> 22353  
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<212> DNA  
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<223> Clone ID: LIB3066-032-Q1-E1-G10  
<400> 22353

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atattgcgag tgtcgagacc cggagagcgt tattgatcaa acttcgggg gtgctaataa 180  
actggagtct ggacgggacg tttcggttat tggcgtgtt tacctgcata cgccggttcgg 240  
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<210> 22354  
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<213> Zea mays  
<223> Clone ID: LIB3066-032-Q1-E1-E5  
<400> 22354

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gcttttgcatt aatggtatgg ggcggcatag gggtaactgtt tgggagcctg cggatgttta 240  
taatgagttt tgtgtgtgtc atgggtcggtt cgttacgaag cgcgataatt agtcgggttg 300  
gtaggtgtgg tgtcggtta atgttacgtg taaggatcgt tagacttctt atagtggta 360  
tgagcatggc cagagtgcgc ctaggagtcgatgtg aatgttattt ttagggaggt 420  
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<210> 22355

<211> 406  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-E1-E6  
  
<400> 22355  
  
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cgaactccta tagcctatac aaaacaacct cgtcgatccg cgaataaaagt aaatacaaca 180  
acctaaccgg aaaaatacgca actcgatcaa gacacagccg gactataagg atacggctta 240  
cgacagcgTT acttatcatc acggtaagtG ttccgctatc gctctcctag atcccattgc 300  
gaagactgct aataccggcg tcgtaaacgt tttacttcag gcatccctaa tgtcaagcgg 360  
ttatcacggc ttgcgcggT ggcgcgtccg cattacgtA aagcac 406  
  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-E1-E7  
  
<400> 22356  
  
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actcacatcg tacggcatcc cacacaaacc atcccgaccg cacataccac tcaaacaaca 180  
tatcaaaggc aaaaaaatga ccccccacg aacctagcca acctgcacac acataaaaac 240  
aaagcaagaa acgcgaccaa gcccggaaacg ccagccccat gaccgcgtta tccggccccac 300  
gaacactcgc gcacgcatacc ccaagagcaa aataatagta cgccaaggTT caagcgtact 360  
caagccaccc cacacccacc gactacaacc aataacaaaa tatgaggagg tcgtaaacccg 420  
ccctaccacc cctcctcctg cttgacgcag tactttaccc acgcgcgtct ctctttccac 480  
cccgccgaca aacaacccaa a 501  
  
<210> 22357  
<211> 498  
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-E8

<400> 22357

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tctcgggcgc gtcgaacggc gtctctaAtg ttggagcggt cgtggagct acttacttac 120  
cgaaaaggGG actcgttagGA ctcgctctat tatccgcaga aagacccaaT ccggggggca 180  
acagggtctc tgcgcgTTgt ccgggcggat tactcctatc accaggtcct aaaataagag 240  
ggtcatgggt agtaatAGAG cttAGAatAT acgatTTAA tatcttcggT aacggtatcc 300  
tttccTTTT cgagtcaaAC ggctccggag gcgaAGcagt ggcgatAGtt cccgttgatt 360  
cgctaccGA ctcgttctcg aagttgtcta gggagtcggg aacttacggc tacgttcccgt 420  
ctcgcgtcgg aaactcnggc agaccaatgg agcgcgactc gtggaaAGcct ctcGCCatcg 480  
aaccttcgta gatgccta 498

<210> 22358

<211> 247

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F10

<400> 22358

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ttggatcagt acatgcccattt tgTTacgaca gagatcactg agttcaagta tgtgtccacg 120  
tactgacgtg cgtgtatcat atttcacata gattcctatc cataaggagg gcgattacat 180  
agggttcata aaacgggtta tatccgtaca aggatcgtca cgcgcgtgat atcggatacc 240  
gactAGC 247

<210> 22359

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F11

<400> 22359

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gtcacgcagt cgaacctgga gtaggtctg agtgaggggg gggtgaggt gagacggatt 120  
atgtggtgaa tgtgtattgg atggattcga cgattactat gtggatgcg tcgaatgagt 180  
agagttggaa tttttagctt tgtggtgatc ctattacttc gtctcttat actgcttctg 240  
gtcgtaagcc tgctgttctt gttgctaata aggttggtc tgtttagtct actgggtctg 300  
ttggtgagat taatgcgtac ggagaggagt agaagaagtc ggatgcttcg cttaatgagg 360  
cgccctgctaa ggtttctgct agtagtgct gtattcgtgc ttccg 405

<210> 22360  
<211> 496  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F2

<400> 22360

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tgccttaggt ttcatttgtc cttctctgtg ttggttcccg gggtctctat ttcgagtggc 180  
aggaacttgt acggctttag ccgggcgtta gaagtactta agctgccgtt gggagattgg 240  
gaaacgggtgg aaaaagaggg ggtgagagcc ggggtggaag acacggaaga gtgggagtag 300  
gaaaggagg tggacgatgc ggatgcgaag acctgctgac ctgatggct tgatactcgt 360  
tttgagtgtc gtgatgctgg tattattatt gctgttact ctaaggactg tgcagctgat 420  
gatcggttta aagacggatt caccactta aaggtcgtca gcgacgctaa atcaacaagt 480  
gcgggtatca actcag 496

<210> 22361  
<211> 513  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-E1-F3

<400> 22361

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ttgttggttc acccttacgg ttatgataaa accgaggact ggccatttatt cattcgtgct 180  
tactggacga attcacgctg tcgtcgcca atcgataacc gagaccgaga ccgcgcggcc 240  
gctgtcgctg tccaatcgta taccgagacc gagaccgccc ggcgcggcc cctaggccta 300  
gttctattgt tcatcgccgg gaggataata ccgcagcccc agatcgtcgt ctcataagca 360  
ttcatcgttt catcctaccc ctagggcggtt tccaccctca agttcgacg acctggtcag 420  
tagacgctat cgcaactcccc ctattatcgc gccgaaagga ggccataccg tanaaacgta 480  
acgcgccttc ggcctccgtt cgtggcggtt cac 513

<210> 22362  
<211> 505  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F5

<400> 22362

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agccatgcaa agaaagattt ctgctaaaaa ttactcttat actattaaac ggacaaatta 180  
ctaaaaagta cctcagtcca actccggata gaacaacccc taaaagtacca ctacaactac 240  
aacactctag ttacatctca gaaaggagggcc ccattagaca tgacacggac ttacggtaaa 300  
agttaacctt aaagcgtacc ctaatagggg tcgtaaacga taggtaaata tccaaaagg 360  
actcacggga tactagcggt aaatatccca aaaggactca cgggatacta gcgtacccta 420  
agttactact tcctacggcg tagattcaca attaaagcac tagacccccc cacagtaccc 480  
ccaaggaaac aaggagtcgg atagc 505

<210> 22363  
<211> 480  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F6

<400> 22363

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acgcgtccgg gctcagcgtc ataaatcgcg gagtatttac cttaaagccgc gcagcgggcc 120  
ctgggcgttc cggtgaacgt tcccgtactt caatattcaa agcggtggat accgtgcgag 180  
gtcggtccta tagagtagtg agcattgtt gttatttagag gcggaaggac aacgagttgt 240  
cacgtctcag gttaaccagg gaatacgcgt ttctcacggc agattatcac tccccaaaca 300  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaggg tggttgtctc agaggactta 360  
agtccatgca tgtgcgtacg tcatgttaca gtctcctcac agcgctattc aaacctaacc 420  
tatcggttgc tgcccccataa tgctgcgatc gggaaaattt cggtgccatt taatccaact 480

<210> 22364  
<211> 406  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F7

<400> 22364

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gatacgttcc agctaaagag tgccacacgc gatcagtatt cgaacgatag ctgatactat 180  
cgcatggtac ggtactacgg agtagatact gcagtgattt ctatgactat taatattgca 240  
agcacgcccag gtgaccatcg tcctcttact cattgaatac atctctacgg acaatacaat 300  
agcaccgatt cgacgtttt gttatcgatc tagtactggt agttcacgct ggcctaagga 360  
tcacaaggat gctatggaca ctaatgctca tgatcgatg tccaaac 406

<210> 22365  
<211> 459  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F8

<400> 22365

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gcgtacggcg agaaggaaga gctaaagggt actgacgtga aagtgcctaa gttcggcggg 180  
cttcctgata ctattaagcc gggtgttctt ggtaacggta agatagatag tatgaaagtc 240  
gcgtaaagaag tacgggtact ggtgcgtggt ggtatccgga agtagataac gtctacattt 300  
aagggcgatc cgtccgctgg ataatctaatt cctataggtt tccgtaaaggg tgatacgatt 360  
acctaagcgg acggtaactc gtcggtgatt atggattcaa attagcataa ggattacggc 420  
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<210> 22366

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F9

<400> 22366

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actaaggatg cgattgcgtat ggtgtttggg gatagttta atatggacgg tacttatacg 180  
ggtgatctac ttgggactat tactattaat attgctaccg gtgctggta tgatcgta 240  
cttactggtt tcgggattct taaggcgaat actatcggtg cgattcgtgg ttttggttat 300  
ggtactagta ctggtagttc aaggtggcat aaggatgaga aggatgctat ggatacta 360  
gctaaggacc gtatctccaa gaagataa 393

<210> 22367

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G1

<400> 22367

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aacaaaaaagg gaaaacccgg cgaaaaaccc cagaaaaaag ggggccccgg ccaaaaatag 180

ccccccccaa aaaaagaccc aacccaaaag gggcaaaacg taaaaaaatt cgggggcaaa 240  
gggcccggac ccacccggaa aacccaaata actggcaaaa agagcccagg gcccccaat 300  
aacgccaaaa aacgccccca aacgcagcga aaacacccccc ggcgaaaaac ccttccaaa 360  
aacgtaaaa cacatcaaaa aacggtcacc ccagaatcgc accaaaccca accccccc 418

<210> 22368

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-E4

<400> 22368

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tgcgccaatc cattacaata ataatctaac cttcactgaa ctttccttca ctgaacctc 120  
acagcaaaac cttcacagga cagaatgcat atagggcgca tataccacac acgaacgaaa 180  
tacacctacc aatccaagta catcttcccc cccacccaac gagccgacac caaccaaaca 240  
ctccccccccc cagacccccc taaaggccct acccatgttc aacttacact gagcagattt 300  
cgctgcccgcg agaacctcca acctacgagc cgccaggagg gatccacgct attataaata 360  
gaaatcaaag taagcgccgg acccaaagtc ggcgccaagg accacaaacc gatccatcat 420  
attttggagc atgaaattaa ggacatcgac actccggtag taccttgagc aatcttctag 480  
tctgg 485

<210> 22369

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D3

<400> 22369

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atggttggaa ttctgtgctt ggtgagagtg cggttactaa ggctactgat aaggagaagg 180  
cgacgtgtgc tggtagact gattagacta agtgtgagac tcttgctacg tgttctgcct 240

gctattttaa tgctgcgtag tcgtatgagg cgacggtag taagagtaag acacatcctg 300  
ttacggagca tgcctgggt ggtgagtctc ctgttgtgc tcgttgtgg tggtctaagg 360  
aggatattgt gaga 374

<210> 22370  
<211> 515  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D4

<400> 22370

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tagccaccta aaaacgcatt cgaatattaa cagcatgccg gagaatgccg tcctgattag 180  
gaccatca ctgactcga aatctcgaca agtagaaccg aagataaatg actggcattc 240  
cggggaacac ggaacccacc catcgacggc ccattcagca tccgttcatt agtttagtgt 300  
tttacggat gatggtaaag acatagctc gggcaccagg acggtaaagg tagtgacaga 360  
caaacctcat cttaaggaca cggcggact atgcaagtcg gcgtccgatt tataccta 420  
gactccccgt aaaaggacgt ccgctaaaag cgtgactacg cgtcacctt acaatatacg 480  
acagactacg ttctgaggaa ggctcatagg ggttt 515

<210> 22371  
<211> 499  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D5

<400> 22371

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aggtcgggcc tgggtgtat gatgtttga gggttgctcc ttttagtact gcgggggttt 180  
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atcgggatga tacggagaag actcggtact atattcctca taatgagtc tgtgcggct 360  
ttgaggagta ttttgcctct tctattgagg tgtttcgaa ttttaaggc aataggaga 420  
agacgattta gactacgcct gagattccta atattttgt cacgcacgt gttacttagg 480  
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<210> 22372

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D6

<400> 22372

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aaaaaaaaaa agggtggttg tctcagagga cttaagtcca tgcattgtgc tacgtgatgc 180  
tacagtctcc tcacagcgct attcaaacct aacccatcgg ttgctgcccc ataatgctgc 240  
gatcgggaaa atttcgggc catttaatcc aactgttccg tagtatactt tttccctgtt 300  
agtcggtgca acagtgaaga ggtttgtatt gactgttcc tttaatagcc gtgttagttcg 360  
aacggtaac gggatgtgtt tcgcagtggt gtaccaagtg tgggtggcgc ggcggccatg 420  
tgttagtgca ttgtcatatc cgtagtggtt tcagtgtttg tcttccctgt ccctccttc 480  
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<210> 22373

<211> 295

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D7

<400> 22373

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ctgcaacgac gaccgaagcg acgtcacctc cgatgcagag gacgtttcaa ccgacgtcga 180  
taggacggag actgagaaca tcacggatac cgctgacaa gagacgaatg tctccggtag 240

atgctgacta actagctagg gcgagagata ctcatgcgt atactcgaaat cccac 295

<210> 22374

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D8

<400> 22374

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ggaaaactaa ttctataaaag actgaaaagct gcttatataa ggagaggTTC tcctgagcac 180

tcgacgatcg ccttctatct ccaaagaacc ccgaccattc tccccatgcc gattccgaaag 240

tactaacggt cgacttaaaag acctagaacg tctccggaaa ctcgaaggag cccgtaaattc 300

ccccaaagAGC ttctggaaGT cacttcataa acgcgaacga attccagaaa atatcgtaga 360

ccatacgcacg gaccagtagg aacggatgaa acggcccggag ccggcctctc gagtagggccg 420

ataagcgagg attctcacga agtcgacgTC aataccata gagtaaaagg actcacaccca 480

gagtagcaCA gaagggcgga cgcg 504

<210> 22375

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D9

<400> 22375

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gcttcctcat tgtgttgta ctgttgagcc tgctgttatt ctttcctt ctcatactct 180

tacttctatt gctacgggtg ctcttaagct tattcttaag cgtgttattg ctggtaactta 240

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ttcttattagg gtggggcccc atactactac gtagcgttcg cgtgttaccc gtgggtgtggg 420

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<210> 22376  
<211> 499  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-E1-E1  
  
<400> 22376  
  
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gttgtctcag aggacttaag tccatgcattgtcgatcgtatgtctacagt ctcctcacag 420  
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gtgccattta atccaaactg 499



<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-032-Q1-E1-E2  
  
<400> 22380

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tgcaggaacg ggagtagaaa ttaggaggag gagatggcat ctgtttaaa gctcttgcta 180  
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<213> Zea mays  
  
<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-C10

<400> 22384

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ccacgttagat ccggtaaca agtcacccat agtcagttc ntaaccgtc caagatagcg 420  
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<210> 22385

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C11

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catagactcg ctgcactctc cggttcctga tctagactca catgcggaga cgcgtagggc 180  
gcactcatat acttcgtcga agaatcctgc ccgcaaggcc gagatcatcc catgggctag 240  
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<210> 22386

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C2

<400> 22386

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<211> 427  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C3

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cttcgtccct gatggcacga aaataacggg gacgcgtcga ataactaact ctacttttag 360  
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<210> 22388  
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<212> DNA  
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<223> Clone ID: LIB3066-032-Q1-E1-C4

<400> 22388

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catgattggc ttggtcttct tggcctgtct gttaagacgc gattcgattt aattgtgttc 420  
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<210> 22389  
<211> 474  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C5

<400> 22389

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<210> 22390  
<211> 474  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C6

<400> 22390

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<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C7

<400> 22391

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<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-C8

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<210> 22393

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C9

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<210> 22394

<211> 172

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D1

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tccaccccca aggaccactt aaacacacga catatacgga ccaaccctcac gg 172

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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D10

<400> 22395

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<212> DNA  
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<223> Clone ID: LIB3066-032-Q1-E1-D11

<400> 22396

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<212> DNA  
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<212> DNA  
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<223> Clone ID: LIB3066-032-Q1-E1-A6

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<223> Clone ID: LIB3066-032-Q1-E1-A7

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agcgcttattc aaacctaacc tatcggttgc tgccccataa tgcttagatc gggaaaattt 300  
cggtgccatt taatccaact gttccgtaat atacttttc cctgctagtc ggtgctacag 360  
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tctgt 425

<210> 22406  
<211> 344  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B11

<400> 22406

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tttctagtgt ggataaaagtt ttggtagagc tattgaagga aggtagcgtc gttaaggtat 180  
tcgagctcga taagagaatc gtcgttttttgc tcgaagtatt tgaagttgtt cctatatatgt 240  
ctgctgttgtt cgttttactg ttgggtcaca cgaagctcgg cgtagtcatt gagtttagtta 300  
ttgttcacat atttttcgac cttatggatg aggagccgag ttcc 344

<210> 22407  
<211> 501  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-032-Q1-E1-B2

<400> 22407

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atgtgcgggt ggatgtgcgg gtggatgtgc ggggtggatgt gcgggtggat gtgcgggtgg 120  
atgtgcgggg tgtatattat tgtacgaaac cgtctctgat gtttggaccga gttgagtgtac 180  
gcgagagacc gggagattac gtttctttt tggttattacg gacctttgtt cgccgcggta 240  
atcgggtatc ggaggacggt cccgggtgtcc tattggctaa tcgggactac gtttagggtt 300

tgccggacga cgtgagcccg gtcgggagaa cggagtcttg ttgttagggtt gtacgttgot 360  
gcgatcagtt acgttattgn tcctttgtc gtgtgaggat ctgcgctact cgaaaagtaa 420  
gccggcattc ggacctctaa gcgttaggag aagaataggc ggcctaggag gagttataag 480  
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<210> 22408

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B3

<400> 22408

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atgtatatta aatgtacgga accgtctctg atgttgacc gacttgagtg acgcgagaga 180  
cctgcagatt acgtttcact ttagttatta ccgacctttg ttgcgcggt taatcggta 240  
tcgcaggacg gtcccccgtgt cctattggct aatcggact acgttttagag tttcgggac 300  
gacattagcc ccctcggtag aacgga 326

<210> 22409

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B4

<400> 22409

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cgagcgagg actgttgacg ctgatggtct ttaggtgtt tccttgaggt tggtgtt 180  
tgttttcgg tattggcat gcctgttgtg gttttgttt cgtttaggt tttgttgc 240  
gtgttaagat ttctgttaag tttgctccta ttattgctga ttagtcgtgt ttttagatgt 300  
atggctatata ttctattgtc tttgtactc ttgttgtat tgcttctgat aagtttccta 360  
tgtataactgg ttgtattgt gctgttagagc gttctgtgg agatagtatt ggtattgtt 420

ctgctattgc ttgtaatgaa taggccgatt cctcgaagtt agacataata gcgactcctt 480  
gtaatgtcaa gaccgatacg cct 503

<210> 22410  
<211> 487  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B5

<400> 22410

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gtaggctgtt tctgtacctc ttgttgttac tctgggttctt gattctgatt ccgttcctta 180  
gtcttaggct gttgagggtta cttaaaggctt ttctggtccg tttaacgttt tggtttgct 240  
actactgctg taagttgttt tagagctact tcttgatgtt attcatgttc ctgttgctta 300  
ggttgttgac tctgtgtgtg tagaggagga ttgttgtgat gttgagggttc gttgagttgc 360  
taatgtttga gttgctgcta atgtttgtgc tgctgtgtat gatgtttctc ctgtttgtga 420  
ttctgtcggtt acttttgagg aatagcggga ttatgtatggt gatcatcctg agtgtttgct 480  
tgagctt 487

<210> 22411  
<211> 227  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B6

<400> 22411

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tgcggcgctcg tcccggtggg gttgaactgc tatgttgttgc ctcaatcggt atgtctcgct 180  
gtcattgaga ttgtttcgac gctgcgtac cgttagtagaa tgtgtgg 227

<210> 22412  
<211> 505  
<212> DNA

<213> Zea mays  
<223> Clone ID: LIB3066-032-Q1-E1-B8  
<400> 22412

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ggtcagcccc ggcccgccgt acttctgcac gctcccccgt aggaagaccc ctgcaggggg 120  
cgcagtcgg gagataatcg aagaaatacc tataaagtac ccctagaagc acggagtcac 180  
aatcgaccc tcgactacga aggataagta catcaggacg ttctgtggac ccggacccgc 240  
catacccctt gacttactcg cgtccgatag ggcctcagag gacgaatacg ctacagacgg 300  
aagaatagcc gaagctaaaa ggatcgccctt aaaagaggaa acgctactga aagatggctt 360  
caagataaaaa aagactcccg cgggcggcac cttattactc tccattgaag acaaaccaaa 420  
ggagtatcct ctactgcacg ggaaggcggc cgagtactag accacgtccg attacagtat 480  
cgatgtctat tgccgtcccc gaccc 505

<210> 22413  
<211> 504  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A2  
<400> 22413

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tttcattctg ttgatgtgtc ttgttaggat cgtaggtgg gtcattctgc ttcttaggct 180  
aaggctgatg gttgtgcgtg gcggaaaggct ggtagtcggc ctcttggta tcattattct 240  
cctgctattc gttttgtgcc ttctgctatt gttgggtggta atgggtttt tgggtgcctt 300  
gggcctaggc cttagattat tatgcattcgat tatgtcgagg cccaaaccagg agtgagagga 360  
agtagagatt acggtcattc tctcagtcgt cgtcttcgtt gccgttcggc gcccggcaacaa 420  
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cgacgtggaa cgccaaaggag gggc 504

<210> 22414

<211> 236  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-K1-G5  
  
 <400> 22414

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 cgtgtagtgc gccaagctgt gaacgcttgt acaggaggac cttaactacc agttcatcaa 180  
 cgtcatcctc aaccagatgg acttcaacgc gactgtcaac cggaacgtca ataacg 236

<210> 22415  
 <211> 443  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-K1-G6  
  
 <400> 22415

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 ctcgcaacca tggcggcggc agcaggcggc ggcgcgggtgc gtgctctgtc ccagaaggag 180  
 caggacatac agatgatgtc cgccgcccac gtccacccctg gcaccaagaa ctgcgatttc 240  
 cagacggagc gctatgtctt taagcgccgt tccgacggca tctacatcat caatcttggc 300  
 aagacatggg ataaaactcca gcttgcagcg agggttatcg ttgccatcga gaacccgcag 360  
 gacatcatcg tccagtctgc ccgcacccat ggcgcgggtgc ctgtcctcaa gttcgctcag 420  
 tacactggcg cccatgccat cgc 443

<210> 22416  
 <211> 273  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-K1-G7  
  
 <400> 22416

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ggccacccgt tcgacgacat ggcccgccctc ggccgcggcg ccgtgttggc gtcctagtg 120  
gcggtcgcgg cggtgccgc gttcctcgcg gtgcggcct cggcgaagtc cggggagctg 180  
agcgcgatgg gtttgcgtggc ggcgaagggc ggcagcggcg cgggcccgcga gaagtgcctcg 240  
ggcgctgtgg gcgagtgcga cgtggacgag gcg 273

<210> 22417  
<211> 346  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-G8  
  
<400> 22417

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ctggcagcag cgcaagctca tggccgactc cgccgtgaa gccacgtaca agcatgaccc 120  
ggtcgaggcgc gccaaccaac ttaaccgtgc agtccacaga tccgtcgaga aggaggacat 180  
tggcacgagg cgggagatga tggggacgac gacttaggaag tctaagttca gcgggcccgtg 240  
cagggcgacg aacccgatcg accggcgctg gcagtgcgg caggactgcg cgacggaccg 300  
gaagcgccctg gcgcggcgtgcg ccaaggcggtt ctggcgcaac atcacc 346

<210> 22418  
<211> 271  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-G9  
  
<400> 22418

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aaaaaaaaagt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaataa 120  
aaaaaaaaatgaa aaaaaaaaaa aaaaagaaca gccttttaa aggactaaat ttaatgaaat 180  
tttcattcaa aggacataat attaatttag ggccgcctaa attcaattaa gttacctaga 240  
ttaaaaaaaaact ctttcattgt aaataatctg g 271

<210> 22419  
<211> 387  
<212> DNA

<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-K1-H10  
<400> 22419

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atagtccctg ctacagatga tttgaagtgt tggcaagt ttccgaaaca tgctatgg 180  
ctggcttgat tttatagtca atgctgaata ataaatactt ttacgacaa ttgtctttt 240  
cgttgctaat tgcaactcgcc ctacctgaat cagtcgtg aacatcatgg aatgcttcag 300  
ttttgtacaa actaaatggt gtgtgctgtc cgacagattc tatgtctggg cttaaaaat 360  
aaaagaataa tgaatgaaat ggttttg 387

<210> 22420  
<211> 322  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-H11  
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cgactagata gccagcgacg atcgagccgc gcgcgggtgg acgcgcacat acacgcggta 120  
gcttccttct caagccttagc tagcccatc ctgcgcgcag gcggcggcag cgagaattga 180  
cgtgcgcacga cgagcttggc cttgcttagt agagagcgag gatgtcgagc cggaggccgt 240  
cgtgcgtgg caacatctnc gaagacgaga tcaacgagct caatctccag cttgaaggcc 300  
ttggtcccag cttccggcgg cg 322

<210> 22421  
<211> 293  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-K1-H12  
<400> 22421

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cgcgttctcc tcctcctctc tctcgctcg gccgcccggg ttgcccccgc cgtcgacgcg 120  
gaggaccgc tgatccggca ggtggttccc ggtggagatg acaacgatct ggagctgaac 180  
gcggagatccc acttcctgag cttcgtcag cggttcggca agtcctacaa ggacgcccac 240  
gagcacgcgt accggctgtc cgaaaaaag gccaacctgc gccgcgcgcg ccg 293

<210> 22422  
<211> 377  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H2

<400> 22422

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gaaaatgacc cgtgccagca gcagtagcag cagccggcgt gtgacgctgg tactgctgg 120  
tctccgcctg ctgtttctgg ttgggtttgc gcaggcggta gtggagttgg tgcctgctga 180  
tgataatatac gccggccggc ctgctggcac ggccgtggac gatggcgagc cgccctcagca 240  
gtgcgcgacc ccggtgagcg tggaggaggc gtgccgcggc gcgtccgaga cgcacgcccgg 300  
cgtggcctac gaccactgca tggcgtcgct gggcgccgac ccgcgcagca aggaagccgg 360  
caacaagaac atgcacg 377

<210> 22423  
<211> 320  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H3

<400> 22423

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gcggcgccag caccacacgc cgccggcgtc gacgcccacc cccctccga caggcagct 180  
tcttgcgcct cttgtggat gctactacgg ataacgtacg cccaaaccac gccttcggcg 240  
gcggcccaagt tgaggctccc tggggccgcgt ttacgcccac gccgcgtcgc tgccttcgca 300  
gcggacggcgcg ccggcaattc 320

<210> 22424  
<211> 290  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-H5  
  
<400> 22424  
  
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ctggtggtt cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180  
cgaaggctgt gcaggaggca tgggcatcg cgtgcggcgg cactggaaag cagacaatcc 240  
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<211> 280  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-H6  
  
<400> 22425  
  
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gatccagcca accgctgtga atgatggcgc tcaacctgtc ccaccagacc ggccgcggcgtcg 240  
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<211> 289  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-H7  
  
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tagccaaaag catcgctcg gtgaaaaagg gagtcgggga ggttagtgaat tacgtcg 180  
tcggtgatct gcgtcggtgc cagattgtcg tgctcggtgt ttggctgata ggggtcacca 240  
tcgtccgcgg aagccgttca tggctgtggt tggagtcaag tgcctatgt 289

<210> 22427  
<211> 287  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
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ttccccgacg ggacgtcccc gctggtggcg ccggcgctgg tgtacccagg cgctgccagg 180  
atggcggacg ccgacgtggg gagccccaaac ttcaacctga cgtgaaaggt ggacgtggac 240  
ccgtccttca gctacctggt ccgnctttc ttccggaca tcgtgag 287

<210> 22428  
<211> 229  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-K1-H9  
<400> 22428

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tttatttttt ttgtatagaa ctccctgtat gaagtaaaga tgtgacattc gatccaaaaaa 180  
aaaaaaaaata ataaaaaaaaaaa aaaaatatac taaatattta atatgtttt 229

<210> 22429  
<211> 448  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-032-Q1-E1-A1

<400> 22429

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tctttgtttg ctcttggta cctacttatt taacaaagca cttaaattca atgacttgaa 180  
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ccccgcgggc ctttcaactcc tcctgactgg agcgtcaggg cccgggtgtg tctggcgggt 300  
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tctgtggttg gcggcggact ctccat 448

<210> 22430  
<211> 487  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A10

<400> 22430

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tcgcattagg tgtctgttgc tggcttacg cgttcgtagg agatgtcgt tagttggttg 180  
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ttcaggattt aaacggctag ggttagatgt gatacgaagt acagacgatt gcagaggggg 360  
agtcaaccaa tggaaatac ggtaaaggaa ggacccgtag agtcgctcgc tcgtctctcc 420  
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accgatt 487

<210> 22431  
<211> 423  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A11

<400> 22431

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ggcagaggac acgacgttcc ggcgggcaaa cgcactaaaa ccagactcg tttccacaag 180  
ggacattgcg gttgcgccaa agaggcgatc ggcttatctg catgcgcaga gtccgaccta 240  
ccgacgaaga ccgctatagc caaaagagac gacaccgtcg atatattcat agctgtgatg 300  
ttaccttgcg aattctgccs cctaccgggt ggcgaaatata taacgtatctt gctctgaata 360  
ttatactacg tccactagat cttAACgtgg ggatttcgga ataataataa actacgacgg 420  
aac 423

<210> 22432  
<211> 384  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G4

<400> 22432

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ccatcacccct agggggctcc acattattcg acttgctgca cgggtcctat tcagttgatc 240  
accatacacg cctgcatagc ggctcacgacg actcactagc gccccccca tgcccccaca 300  
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gtgtgagctg tgctctgctc tacc 384

<210> 22433  
<211> 378  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E7

<400> 22433

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tcctgatagt ccatatgctg gaggtgtttt ctttagtgaac attcatttcc ccccgacta 240  
cccttcaag cctccaaagg tatctttaa gacgaaggc ttccatccaa acatcaatag 300  
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taaggtttg ctttctat 378

<210> 22434  
<211> 53  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E8

<400> 22434

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<210> 22435  
<211> 433  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E9

<400> 22435

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ggcgtctgca agatccacta cgagaatatac aagatggagg actcagccaa ccccatcttc 120  
atcgacatga agtactgccc caacaagttg tgtactgcc a cggcgcctc caaggtcacc 180  
gtcaaggatg tcaccttcaa gaacatcacc ggcacctcct gcaccccgga ggccgttagc 240  
ctgctctgca ctgccaagggt cccatgcacc ggcgtcacca tggatgacgt caacgtcgag 300  
tatagcggca ccaacaacaa gaccatggct atatgcacca acgccaaagg cagcaccaaa 360  
gggtgcgcta aggggcttgc atgcttctag acccttcatac gactgaccca tctctttagg 420  
tataattttt ctc 433

<210> 22436  
<211> 414  
<212> DNA

<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-F1  
<400> 22436

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gctacggcgt tcagagaccc cctggctcaa gtctaacaac agcccagacg aaattcacgt 180  
cgctccggcc gttgccgcct tcggtcgtcc cttccatgc ctacggcgcg ccgnctcacg 240  
gaccggtcac cgtcttcac ccgtcagctc ctccctgtcc gtatccagcg agcaattctg 300  
gcggtcctgg cagcagcgcac gcgggtttgg agatcgagag cgtgaggtgg agcgtggtgg 360  
gatcgaagcc tgagggctcg gagcgtctga ggagctgcaa aagggcagca gaga 414

<210> 22437  
<211> 336  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-F10  
<400> 22437

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tggacgggta cgctgcggcg ctcggaaagga agacgacggc gacgtgttgg gccgtcgcc 120  
cgacgtgcgc ctntcctcc ggtggcttgg acgcgggcgc gaacggccgc cgccgcaacc 180  
gcggccacgt cgacgtcggc ctccctctgt cgtggctcga cgcctcgccg gcggcgtccg 240  
tgctgtacgt cagcttcggc agcctcgcc agctgtcgct gaagcagacc gtcgagctct 300  
gccccggccct tgnagggttc cggccggccg ttctgc 336

<210> 22438  
<211> 409  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-F12  
<400> 22438

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ggaccttccc tagcggcggc gcctaccaac ctcaaggagc gatggctctg tctgcgacgc 120  
tacggatttc tcttagcgtc gcgttctttg gggttctggc gttcgtgctt ggtgtcatcg 180  
ccgaaaacaa aaaggctgct tccggactc ctatcctagg aaaggatgtc gtcatctgca 240  
cgtttccaag tgatccgact cttgcgatgg ggagcctgtc cattgtggca cttgtggtag 300  
ctgccatcgt angccatgtt gccatcttct ttccatactt gngcaaagtc agttcctcgt 360  
ggagcgctgt ttcaaaggcac cagcttgata agtgtcttg gtggcgctg 409

<210> 22439  
<211> 457  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-F2

<400> 22439  
  
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gatggactcc atcggccgacc tgggactgga ggtcaccaac gtcaacgtca cctcccacga 120  
gagcctcgtc ctcaacgtct tccgcgcgc caggcggac aatgaggtgg cagtgcaggc 180  
ggacagactg agggactcgc tgctggaggt gatgcggag ccgtacggcg tatggtcgtc 240  
gtcggcgccg cccgtgggaa tgagcggcag cggcatcgcc gacgtgaagc atgacagcgt 300  
ggacatgaag ctcatggca tcacatcgacgg gcaggcggca ccgagcgtcg cagtgggggt 360  
ttcagaggat cactacggcg gctacaacca tctnctccaa tacctcgctt gatcattatt 420  
taattgcgtt cggcatgtt gaaagttcga tcaaact 457

<210> 22440  
<211> 226  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-F3

<400> 22440

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aggggactgt ataaaataca tacagacaat aaaagtccgg cgctgtcgct ctttacacct 120  
cacgttacc tacatctgat tccaacgctt tacccttct ctacctaacc ctaattcaat 180  
tttactatcc cgacaattac aacactttgc atattcttaa ccttcc 226

<210> 22441  
<211> 445  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-F4

<400> 22441

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tagatgtact ggaggcatgc aaattctata atgttttgag aggtcaaatt ttacatattg 120  
agttgtggac ttggacattt gacaaaaaaag agtgaggaaa gaagtgcgct tcagttatta 180  
acttgttagt atggctggac atctctttg agtggatgca cctaatacac tgcaaaatat 240  
gttttaaca aaaagttgt ttgaccttgt cctgaccat gaccttacat attgccgttc 300  
aagtaatccc agcaacacagg ttaacaaccg tggtggttgc caagctggc gaagccgtgg 360  
ccagttccag agctggggga gaggccgtgg tcagttccag agccggggga gaggccgtgc 420  
ccagttccaa ggacgaagga gaggc 445

<210> 22442  
<211> 420  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-F9

<400> 22442

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gaggaagggg tcccttctcc ttggttgcgt tgccctccc tcctgtctgc gtgcgtgcaa 120  
tcgacgcaga ggcgcggcgc ctcgcaccac cacaaccacg acccgatggc tttcatgcgc 180  
tcccgctcaa atgcattttc tggcatggga gttgctccta acattaggaa gacattcgcc 240  
gagcttcaaa tgaagaaggc atttccgata tgttatcttc aaaatcgaag agaaagcaaa 300  
gcaggtggtt gtggaaaaaa caagggtac tactgaaagc ctttatgaat ttttggcc 360

ttttccagag aatgacttgc gatacgcgct ggattgattt gaattttgta ctggggaaaa 420

<210> 22443  
<211> 316  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G1

<400> 22443

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cgggtgattc gaattgcaat ggtggactaa tgacgacggc attcaattat ctgcagaagc 120  
tctacgcctt gagagtgaga aggattaccc ttacactggg agtcatgaca tatgcaagtt 180  
tgacaagtcc atgaatgctg cttcacttca gaactcctgc gttgcgtctg ttgactaggc 240  
tcaaactact gctaacctga tcaaacatgg gccataggca ataggcatca atgctgtcta 300  
catgcaaaca tacatt 316

<210> 22444  
<211> 390  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G10

<400> 22444

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agcacctagg aggcctctct ctccctctcc ccagccaccc ccgttagcggagggaggcg 120  
gaagaggatg agcgcgtcca gtttcataaa gtgcgtcact gtcggggacg gcccgtcgg 180  
caagacctgc atgctcatct cctacaccc caacacccccc cccaccgact atgttccgac 240  
agtgtttgt aacttcagtg ccaacgttgt gttgtatgtt aacactgtca acctcggcct 300  
ctgggacact gcaagtcaag aagattacaa cagactggga accctgagct atcgtggagc 360  
tgatgtttt cttctggctt tctcactgtat 390

<210> 22445  
<211> 381  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G11  
<400> 22445  
  
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gacagtggag gtgaacccgc cgaagctgac tttcaaggcg ctggaagagg tcctgaacta 120  
ctctgtcaca atcaagtcgg ccaacggcca ggcgcttacc ggccctgtcg agggggagct 180  
caagtggttg tccggcaagt acgtcgtgcf cagccccgatc ctcgtcacta acgaatccgg 240  
gccctcgccg gcggagacac gtaaaccgta accctcgata gcagctggca aatgcctact 300  
tattacgtac atggtAACGA ttagttgcc atatgagcca gcgcttgaaa tcgatggat 360  
tgtgagcttc attcactttt g 381  
  
<210> 22446  
<211> 419  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-G12  
<400> 22446  
  
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gagtagttt ctgaatcata gcttggcgat gcctgaggct agacaaatac tgagctagcc 120  
ttcagaaaaaa aaaagaatag aaagagattg agaagcaggg agaaaaaaatg gcactggccc 180  
attgaggaag cttgagaacc agttaacaag aattgccaac atattcttgg acaatcttgt 240  
taacagagtt ttaaggtttc ccagcagaga agagcgcgtg caaccaccac attcatataa 300  
ttaataagca aggttagag aagatgcaac atgggcacaa agatgaaaaa agggatcctg 360  
aaaccgttcc gctatatctc aaccatcatg gatggtaaag acgcttgaat gcaaatgg 419  
  
<210> 22447  
<211> 470  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-E6  
<400> 22447  
  
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gtggaacacg ccaaaaacct cgcgccac aagggtgata tccgtgacaa agatggattg 120  
gaaaaggttt ttgcttcaac aagatttgat gctgttattc attttgcgtt actgaaagct 180  
gttggagaaa gtgtacaaa gccttgctt tattatgacc ataatgttgt tggcacaata 240  
aatcttctgg aagtaatggc agctcatgga tgtaagaagt tagtgttctc atcatcagct 300  
gcagtttagt ggtcacctaa gaactcaccc tgcactgaag attttctct cactccacat 360  
aacccatatg gcagaaccaa acttatggca gaggagatat gccgtgatat ctaccattca 420  
gatcctgaat ggaatatcat tttgcttagg tactttaatc cagttgggc 470

<210> 22448  
<211> 364  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-D1

<400> 22448

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gtgacgactg catctgcattt ggccccggga cctccaaggt gaacatcacc ggcgtgaccc 120  
gcggccctgg ccacggcatc agcatggca gcctaggcg gtacaaggac gagaaggacg 180  
tcacggacat caacgtcaag gattgcactc ttaagaagac gatgttcggc gtccgcattca 240  
aggcgtacga ggacgcccggcc tncgtgctca ccgtctacaa gatccactac gagaatatca 300  
agatggagga ctcagccaac cccatttca tcgacatgaa gtactgcccc aacaagttgt 360  
gtac 364

<210> 22449  
<211> 425  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-D11

<400> 22449

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gcatgaaagt agcaatggca cctgaatcag ctacaaacca tcatccaatc ctagcggctca 120

gcatctcta gtttatatta caattaggag caagcgatcc aattatcgat agagcgcgag 180  
atcgatcgat catgccgggc cgctcggtgg tctccatcct cctcctcctc ctccatggcc 240  
tcctctgcct gcagctggct gccttggccg agatggacga cgacgacgac atgaaagacg 300  
gcagctgcat gcatttcagt gtgtccccgc cgnctgctcc ggcggaggac gcggatgagc 360  
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cgatg 425

<210> 22450  
<211> 383  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D2

<400> 22450

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gcgtcggcgt cgccatcgcc ggccatgggt tgccgtggct ccaaggaggc cgtggccacc 120  
ggcaacacca ggcggccag caaggtcctc cggaggaagt cctcctccgt ctccaccggc 180  
gcaagccaca cttccaccac gtcggcgtcg tcctccggcg tcgtcgtaa ggacgtcgtg 240  
aaggatgcgg cggcgccgg cgaggtgatg acgcccggccg acgcccggaaa gcctatctct 300  
gtcgacccca aagcagacgc catcggttg atggacgcca agaaagagga gggcaacaac 360  
aaggtggccg tggaggaaga tct 383

<210> 22451  
<211> 435  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-D3

<400> 22451

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cgtttgcgag ggctgcgcgt gtggatgtcg tggagggcag gtccatggcg tccgcgcacg 180  
cgccctgatgc ggcggctgac ggcgcgcgc acggtcccga ctccgcctca tccgcggact 240

cgccgtcaga ggcgcctcc agcagcagct catccgacta gccgcgcaca acgcagttct 300  
tgtcatgatc tatcttagcag ataaaaagat catatgtctc gtttgattct ctggaataac 360  
taatagtata tatgctgcgc cctgatgata tataaatatg tgcatcanat gcgtgcggca 420  
aacgcatgga atgtg 435

<210> 22452  
<211> 437  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D4  
<400> 22452

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tcaccccccac cgaggccgcg cacatccagg ccaccgtggc gtgcgggcgc aagcacgggc 180  
tgcgggtccg cgtgcggagc ggccccacg actacgaggg cctgtcgtac cggccgcaca 240  
agccggagac gttcgccgtg gtggacctgt ccatgatgca gcaggtgcgc atcgacggca 300  
aggcccccac ggctgggtg gactccggcg cgccagctcg cggactctac tacggccgtgg 360  
cgaagatgac ccccaagcatt cgggtccgg cggccgtgtg cgccacgatc ggcgtcgcccc 420  
gccacttcaa cggggggc 437

<210> 22453  
<211> 180  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D5  
<400> 22453

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catgtgtgac cgtgcaaaga tgtcgtggca cgcgtacttg gacgagcacc ctgatgtgcc 120  
agatccaggg gcaccacctc tcggcggcgg gcatcgtagg tcacaaccgt gccgcctggg 180

<210> 22454  
<211> 465

<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-D6  
  
<400> 22454

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ggcgacacctca gatagatttt taatggaggc gccagcagcg ccacacctcg cgtacgacgg 120  
cggcggcggc tacgtcctcg tcgaccctgtc cctgacgctg ggccccgaccg cgacgcccaca 180  
ccctgcccgc tcctcctctc ctgagcctga ccacacacca gccgcccggc ccgcccggttc 240  
cagttccgccc ggcgtgcggc tggttccctgt cctcttctgc aacaagaagt tcctcaagtc 300  
gcaaggcgctc ggccggccacc agaacgcgca caagaaggag aggagcgtgg ggtggAACgc 360  
ccacacctac ctcccgccgc cggccgcggc cacggcgtcg gcgtcggtcg ccggccgcga 420  
cgtcgctcgt gccgcgacga cgcccgctgg cagcagccac ggcgt 465

<210> 22455  
<211> 407  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-D7  
  
<400> 22455

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gtctgaccgg gcaaagatgt cgtggcaggc gtacgtggac gagcacctga tgtgcgagat 120  
cgagggccac cacctcgccgg cggccggccat cgtcgccac gacgggtcccg cctggcgca 180  
gagcacggcg ttgcccggat tcaagaccga ggacatggcc aacatcatga aggacttcga 240  
cgagccaggg cacctcgccgc cgacaggcct gttactcgga cctaccaagt acatggtcgt 300  
ccaaggcgag cctgggtcccg tcattccgtgg caagaaggga tcaggatgca tcaccgtgaa 360  
gaagacaggg cagggcactcg tcgttggcat ctacgacgag ccgatga 407

<210> 22456  
<211> 435  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-D8

<400> 22456

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gcgcacgaca ccgacttctt caccaacgcc ttcggcgtgc ggtccatcaa ggagaacgac 120  
aaggagctga tggcggcgct gtacctgcaa gtgagcatca tcagccaggc gctcatctc 180  
tgacccggt cccggagctg gtccttcgtg gagcggcccg gcgcgctgct ggtgatcgcc 240  
ttcctggcgg cgagctgggt ggcgacgtgc atcgccgtgt acgccaactg ggagttctgc 300  
aagatgcagg gcatcggctg gggctgggt ggcgccatct gggcgttcag cgtcgtcacc 360  
tacttcccgc tggacgtgct caagttcgcc atccgctacg cgctctccgg caaggcctgg 420  
aacaacatca acaac 435

<210> 22457

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D9

<400> 22457

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gggacgcggg gttccttggaa ccactatatac caggagcgcac gaagtgatcc acccgccagc 120  
catggagatg aagaatgtcc tctgcgccgc cctcgctgcc gccgcctctg ccaccgcccgt 180  
gctggcctcg gtgcgcctccg aggcgcctc cgaggcgccc gccggcgcgg acggtggtgc 240  
ggctggccct agcgcaagcg gcgcgcacga cggcgacgtg cccgcccgtg gggcgcttgt 300  
cgccctgccttc ctgcgcctact accttcactg aacgacgaca cgcggcgcgg gaaacctttg 360  
gatgcacatcgaa gtttgggttca tt 382

<210> 22458

<211> 282

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E1

<400> 22458

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gctcgccgtc tcgcatggca cgagctgcag aaaaccgatt aaaaaaacca aaaaacacac 120  
ccgtaaagta attaaaccaa acacgcgctg ccaccgaccg atcaggcgac cccgctccaa 180  
gagggaaatcc accaccgcgg ccggggcctc ccagatctcg ctggaggcag cggcagcggc 240  
ggcggtgggg ggcgatggcg ctcaacatga agaccctgac gc 282

<210> 22459  
<211> 300  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-E10

<400> 22459

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ccagatcgcg caggagaagg ccggcatcgt gcccatctcc tatgcaggg tggcatgcgc 180  
aaagcagggc ggcattccgt acaccatcac cggaaacaag tacttcaaca tggtgacgat 240  
caccaacgtg ggccgcgcg gcgacatcgc ggccgtgtcg gtgaagggga gcaagcgcgt 300

<210> 22460  
<211> 347  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E11

<400> 22460

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ttcgttaggat gtgggcacgg gaccaagatg aacaaggcgt tcacgctcga gaagcccatg 180  
gacctgaaaa agggcgtgaa ccacgtcgcc gtctggcgt cgacgatggg aatgtatggac 240  
agtggcgctt acctggagca ccgtctggcc ggcgtcgaca gggtgcagat caagggcctc 300  
aacgcgggca cgctggacct gacgaataac ggcttggcc acatcgt 347

<210> 22461

<211> 433  
 <212> DNA  
 <213> Zea mays  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB3066-031-Q1-K1-E2  
  
 <400> 22461  
  
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 acatgtccat cgagggcgctg gcgacgttca cggtgatgga gcccggacacg atgcggcg� 120  
 tgttcgcggg cgagctgggc cccgaccgag gcgacatgta catctacagc cggcacttca 180  
 acccgacggt gctggcgctg gggcggcaga tggcggcgct ggagggcacg gaggcgggct 240  
 actgcacggc gtccgggatg tccgccatct cgtccgtgct gatgcagctg gtggcgccg 300  
 gcggccacgt ggtggcgctg cggtgccgt acggcggac acacgcgctg ctggcccggt 360  
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 <213> Zea mays  
  
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 ccaaccatt gagcctcacc ttaattcacc tctccaacat gacagtcaac accaatatca 180  
 aactaccact ccgcattggcg cccacttaat cccttccacg gaacgccagc taactaccct 240  
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<400> 22463

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ggagtctgtt ggctatcttc tgctatattt tataagaaga atggccttaa agctggcact 180  
aagaaaacaaa agtattataa aatttagtcaa aagaaaatgc ttacctcgcc agatattctg 240  
tgcaaatctt ac 252

<210> 22464  
<211> 466  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E5

<400> 22464

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catactcggtt gacaggatgg gtaatgaaat tacaagactt acagctgtca aggcatttc 180  
agttattgcg aattcacctc tacgtattga tctctcggtt gtccctggatc atgttgtttc 240  
tgagctcaca gcttccttc gcaaggccaa cagagctttt acgcaggcga cgttggaaac 300  
tctaaattct atgggtgtca catatggtgg tcagattggc tcttctcgat atgagacaat 360  
aatcgccgaa ctttcaaccc tcataagcga catggatttg catatgaccg ctcttgattt 420  
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<210> 22465  
<211> 386  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B3

<400> 22465

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agaagtgtct tgcgttaaag agtgcacccaa aattttaac actcccgagg gcaagaagat 120  
ctgtgaaacg atgtgtgcca accctaaagg aaggcctatc gacagagttt gagctgattt 180

atcaatgctc atctttattt gtagctagct atcatgcattt cgatgatggc cttcttgatt 240  
attattattt cattcctcat gttgttgtt cttgcattttt ttttccacca ctaatattgt 300  
cctaatttgcatacataagg tgcactcaa agcattttct atgcattact tattggtaa 360  
ataaatacaa aggcttctt ttacct 386

<210> 22466  
<211> 394  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B4

<400> 22466

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ggagttgcag taggttagca gagtttgag cttcaaaaca ctccatctga tatcataaaa 120  
ccacctgtct ttgatataaa tataaccttc ggcaaccaaa ccaaatcgag aaaaatgggtt 180  
tcaggacacc gatcttccat agcagatgga agcttaggtac aggttcttgg accatttg 240  
cttcacatgc tggcttagaa acgcagatgt tctcagggtc tcctgtgttt catcaactagg 300  
ctttctccctt ggaatgctca agataaaggc tgccctggtcc catgtggcaa ccgttgccgt 360  
gatgcgatag ccattgtccc aacgcattgtg gatg 394

<210> 22467  
<211> 396  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B5

<400> 22467

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cggacaagac tatggtgccg cccaccgtgt acccaccgcc gcaggccatg gcgtccgcatt 180  
acccgcccaca acaatattgt tggccgtacg cggcgtaccc gggcagcct tacgggtacc 240  
ctgctccgccc accgtacggg tacaatgctg cttccccaca accggcgatg tacaactacg 300  
cagcacagcc ggttagctgca ccggcgaggc atggcggagg tatggggatg gggctcgcc 360

taaggctcct aggccgtcgc gtcggggga tgcgtc 396

<210> 22468  
<211> 404  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-B6

<400> 22468

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tttggacggg tgtacaaagg gtcctcgag gacaccggag aggttatacg cgtgaagcag 180  
ctgaacaggg acgggctcca gggcaacggc gagttcctcg tcgaggtgct gatgctcagc 240  
ctcctgcacc acccgAACCT cgtcaagctg ctgggctaca gcaccgactc caaccagcgg 300  
atcctggtct acgagttacat gcccagggc tcgctggagg accatctnct ggacttgccc 360  
cgagctgaaa gccctgcgt gcacacgcng atgcngatcg cggt 404

<210> 22469  
<211> 422  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B7

<400> 22469

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tccgcggccg tggcggcggc gagggccgat gacgcctcgc gccagcggcc gccccggcgtc 180  
gtgcagggtcc gggagcggga ccagggcccg ctgtcgacgg ggcaccagca cctgcaccac 240  
catcaccacc agctgcggcg gtcggcggcg ttcccacccc gccgcccggg gccggggccg 300  
ccgcctcctc agcgctgcga aagcgacctc aacatcaggg agcaccgctc ctgcagcgag 360  
gtggccggcg gcacccgcggc gggctgcgtc gctgtgtgct gctgctccc tgcgtcatgg 420  
tg 422

<210> 22470  
<211> 372  
<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-B8  
  
<400> 22470  
  
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tccaacctgg tgctgtacgg ccggatccag tgcaaggca agtgcaccga gcagaagggc 180  
atcaccgcgc cgcatgaa ggtgtccaa gaggcgtgcg acaaggacta cgtggtcaag 240  
gcggctgagg tcaccaaggc ctgcaacacc acctgcgccca aggagaagca gcctctgctc 300  
agcgagaact gcangaggc ctgcacccct tcttcttcct gaacgcagag cacngccgc 360  
cgtcgctg 372  
  
<210> 22471  
<211> 390  
<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-B9  
  
<400> 22471  
  
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gagacgcaga tctcctgctc gcggcctcgc ccagccctcc ccaccctcc 180  
gatcttggtg cgacggggca ctacggaggc agggtagtgc gttgtgcgt gtgttgg 240  
cctggttcta gcaaccgaga atgttcagag atgaattaga gagagatggc atgcctaaca 300  
ttgaaagaac attgcgacaa ggattccaga ctnggttcag aacccatatn ctcagaatgc 360  
ggaatataaa tcaaggagag gctgatgatg 390  
  
<210> 22472  
<211> 339  
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-C1

<400> 22472

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ggccccccgg gcccggcgcc gcgtctctcg cccgcnnccgg cgccctggcgcc gccctgctgc 180  
tggcnnccgcg acacttcctg nngcggccgg ccctgggtga ccgacnngnt cctcccttgg 240  
ggcgccgttn acctgctgct ncggccgnnt gcccctgggg tcgctgccnn ngtgcctggc 300  
cgnngcggtg acncnngcgcc cgnngcgggg tccccgggt 339

<210> 22473

<211> 52

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C12

<400> 22473

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<210> 22474

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-C2

<400> 22474

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agggctccga cacgtacgag cccctcaagc actcctgggg cgccatctgg aggaaggaca 180  
gcgacaaacc gcttaaggga cccctcaccg tccgcctcac taccgaggga ggcaccaaga 240  
ccgtctacga cgatgtcatc cctgccaact ggaaggccaa caccgnctac accgncaaat 300  
aattaacttt agtgctgaca atactttaag tcggcctatg ctagctatac tagattgggt 360

tggatcccaa gcaatgcatt acacatgcat gcattggacc gtgatatcta tttgctacca 420  
ctaccctatt acgacagtga tg 442

<210> 22475  
<211> 433  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C3

<400> 22475

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aacgggatac gaccacaggg tcacagagac atatttggtg gacaatgagt tcgagaccga 180  
gtttgtatg accaaagagg agttgtacga gcagtcaagg tgtaagcatg agttgcggaa 240  
caagaaagct gatctttgt gaacttacac acacgggtac gtacgacaca aagccctcgc 300  
gttgcgcacac gacagctgtt gtacagcaat ctcaccatgc tcggatatacc gatgcgtat 360  
catcatgagc tttatacgtt agttggatac tctctatctt cacacgtttt gagcgcctta 420  
tatataattac tat 433

<210> 22476  
<211> 354  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C4

<400> 22476

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acctaattggg caccgtgaag cttgtattcc agccggcaga ggagggccag ggcggcgcgt 180  
actacgtgct gcaagaaggc gttctgacg acgcgtggc catattggc ttgcacgttg 240  
acccggccct ccccggtcgga gtcgtttcgt ccaggccagg gcccttcgcg gcgacgtccg 300  
gcccgttcct ggcgacggtc accggcaaag gccccacgc cgcgatgccc cacc 354

<210> 22477

<211> 338  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-K1-C5  
  
 <400> 22477  
  
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 agacggggcg aattcgtggt gctacctaaa agagacccca tctggtgccg ttctggggtt 180  
 cgaggagcgg cgaggcaggt gggaaatgag ggtatgtggc gtggttgacg aagattgcgt 240  
 ccgcgtgctt gggcccggtc cggaggtgctc cgctacgaa gaaggatgtat gacgacagcgt 300  
 ataatggccg cggcgtcgcc gacgacactgc tgtggtcg 338  
  
 <210> 22478  
 <211> 442  
 <212> DNA  
 <213> Zea mays  
  
 <223> unsure at all n locations  
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 <400> 22478  
  
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 aagattataa ggccccaaaca ggtatacacc ggcttctggc ttaggcacta taccccccgtc 180  
 agagaacgag tgctatcaag ccagagttag gaaacttggtc aggttgccac ctcaaacgca 240  
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 tactcaataa acatcgacca ctnttgcgt taaaaagcc acaaatggct tttagcttgg 360  
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 ccgttacaat gtaaaactgt ca 442  
  
 <210> 22479  
 <211> 470  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-K1-C7

<400> 22479

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tgacaccatt gacaacgtta aggccaagat ccaggacaag gagggcatcc ccccagacca 180  
gcagcggctc atcttcgctg gcaaacagct tgaggacggg cgcacgcttgc tgactacaa 240  
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tgtgaaaacc ctgaccggca agactatcac cctcgaggtg gagtcctctg acaccattga 360  
caacgtcaag gccaagatcc aggacaagga gggcatccct tcagaccagc agcggctcat 420  
cttgctggg aagcagcttgc aagactggcg cacgcttgcc gactacaaca 470

<210> 22480

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C8

<400> 22480

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cctcctcgcc gtcgtggcgc tgctgtccgc cggcctcctc ccgcaggcgc tgggtaaggg 180  
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caccccggttc cggaggtgt gcacgtccac cggccggcgg cacgcgtcca agtacccgg 300  
catcgacaac ctggccgtgc tgaacatgca ggtggacgcg ttcgccaagc gcaccgcgca 360  
ggcgccgaag cacgtcgcgaa ggtcggcccg caccatcccg ccgcagcaga cgcaggcgct 420  
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<210> 22481

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B2

<400> 22481

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ctcgcccaac agccgcccga catgccaccc cgcgcgcgtc cccacggcat cgcgcgcgt 180  
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cgccgcgcgtc cccacgcacat cgcgcgcgtc ctgttgcggc cggcgccgtc ctcgcgcacc 300  
cctcagatataa aagtcaactc tggtgttctt caagactacc cgaagcgatt ca 352

<210> 22482  
<211> 253  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H6

<400> 22482

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tagatattta aggataagac ttactgtctg ccttaatttgc atcctcctcc tcctcgtctt 180  
actgcccac tctgccactt accttagcat aacttgactt agttaatttgc cgcttaacgac 240  
ggtgtcgaat tcg 253

<210> 22483  
<211> 376  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H8

<400> 22483

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tcgtaatgtat tggattaattt atggaaacgg actcggggcg actaagaagg ttgaagttga 180  
tactgagacg catacgtgca tggacaacac tgaatctgac aatacggatg catacacgg 240  
gaacgtgtgg ctatacgcgc gatcggaaata ttaatggatg tagtggatag tgctactctg 300  
ggtgtacatc ttgtcgtctg agagagagac tgattctttt aagtctgata cgtagaattt 360

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376

<210> 22484

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A1

<400> 22484

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cgagaactag gaaagtgtta agtcttgctg aatcagtatt tactcccttc cagagttcgc 120

ggaagccggt cagggcctcc gactttaata gcaataggcg ttatagtagg acgcacaatg 180

cgttactttg gggatcctt gtgtggctgg ttcaagtattt gagatagatt tggaaagagt 240

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<210> 22485

<211> 205

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A10

<400> 22485

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aggactgcgc tagctgtcaa cagtcacgga cacaccagct tggctttgc taacaccaaa 120

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gacttgaaca tgtgcgtgaa cgcac 205

<210> 22486

<211> 346

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-A11

<400> 22486

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catatgctgc cccacccggt gccccttcgc aaagccacgg tgccaatgga catgtgcaga 180  
actggaatcc cgccaactca gtctatcccc cagccccagg accaggaaca tatccaggcc 240  
agatgtactc atctccctca cagtatgcag cgtcaggggg cttccctaat accccatcca 300  
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<210> 22487  
<211> 213  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A12

<400> 22487

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cctggatgga ctgctacatc acggaaagtt aaccatgcag cacgcatact tgaggacgta 180  
catatggatt gctgatagcc gacgaccgac tca 213

<210> 22488  
<211> 477  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A2

<400> 22488

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catgaatgct gccatggaat tggacctcat tctatcaccc ttccaagtgg taaaaaaaca 180  
acagttagaa gggacttca agaattccat tcagcattgg aagaagcaaa aagctgatat 240  
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agaagctcac gaaaaaggac aagctctgca gtttaactgg ttgtatgaga aaggggcttt 420  
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<210> 22489  
<211> 369  
<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-A3  
  
<400> 22489  
  
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gtgctggag ctgtactgcc tcgagcatgg cattcaggct gatggtcaga tgcccggtga 240  
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<210> 22490  
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<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-K1-A4  
  
<400> 22490  
  
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<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-K1-A7  
  
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gatgatgctg gggacgttca gcccccagctt agagccctat gtctacgagg gcaagaagaaga 420  
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<213> Zea mays  
  
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<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A9

<400> 22494

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acacagaagt gaaccggcag gcttacaaggc agctttgtt gacaactgtt ggtcttgggt 360  
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<211> 423  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B1

<400> 22495

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cggcgggcac ccccacccgc accacgggta cgagtggaaag ttcccgccgg cgctgagcgc 240  
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cacggtgccc gtgttcgtgg ggctgtcgct ggcgacacccg gggcagctgc ggagcctggc 360  
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<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B10

<400> 22496

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agggcccacg cccaccagca ctgcccgtcc gagggcgtcgt gcccgcacgac ctccgtggcc 180  
gtggcggcgg cgagggccgg cgacgcggccca cgccaccgtt cgcaggctcc ggtgcaggc 240  
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<210>	22497
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<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B11

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cgtgtggaag aactgggtgt ggcacacgga ggacgacctg ttcatgaacg gcccacatctt 180  
caatccgtcc ggccggcgccc ccaagcaggc cgacaccaac gagtggtaa agcccaagcc 240  
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gccgtgctga aggccgggtgg gcatcaggct gcttcttcta gctcatggcc tggccatgcc 360  
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445

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<211> 327  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H5

<400> 22498

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<211> 371  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F9

<400> 22499

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attatgattt gacggccct acgtgtctat atctaaacgt acgcccggcgt actggagccg 180  
tcttcaatac cagggagata cctgcggatt cctatacgaa gaatgtacga tgacactcca 240  
ctcctaaaac tgatgagtag tagtagtatt cggccgcaga gaacataggg gtcatcatcg 300  
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<223> Clone ID: LIB3066-031-Q1-E1-G1  
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<210> 22501  
 <211> 426  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-G10  
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 aatagatcga gattatcggat tcactgcggta gtcgaagccc cctcctcggt ccctctatcg 420  
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<210> 22502  
 <211> 452  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-G11

<400> 22502

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<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
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<400> 22503

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gcggcggtcg tggcataag gatgcgaata agttttcc taacagtacg ggtgtacgtg 360  
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<210> 22504  
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<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-E1-G3  
<400> 22504

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<211> 102  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-G4

<400> 22505

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<223> Clone ID: LIB3066-031-Q1-E1-G5

<400> 22506

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tcacgtgagt ata 133

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<212> DNA  
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<223> Clone ID: LIB3066-031-Q1-E1-G6

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gttcatgtt attccggtat taagaatcgt gacccttaga tggagtgtca cgctcccaag 300  
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<210> 22508  
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<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-E1-G7  
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tgatgtggag gagtctggat cgagtgggt 328

<210> 22509  
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<223> Clone ID: LIB3066-031-Q1-E1-G8  
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tgtctacctt atagacttgc tgagaaggaa gataccggta tgaggtgtga gacgacggtg 240  
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c . 301

<210>	22510
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<212>	DNA
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<223> Clone ID: LIB3066-031-Q1-E1-H1

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aaatgagtcc ccatttcccc gccttatatg agaccctcgc ctctgcccag tctactccag 240  
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<210>	22511
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<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H10

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<210> 22512  
<211> 336

<212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-E1-H12  
  
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 <213> Zea mays  
  
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 <211> 380  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-031-Q1-E1-H3  
  
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<210> 22515  
<211> 452  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H4

<400> 22515

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<211> 483  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
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<210> 22517

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E3

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<210> 22518

<211> 476

<212> DNA

<213> Zea mays

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<400> 22518

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acggctccga aagagaacca ttagtacgtt cctttacatc tgccgatagg acgggcaacg 180  
aaaccataag atccatagtc gctaaggtagc ccctagccac cgtaaccta ttctcatgca 240  
ccgactctct gcgcgcttcg gactacgccc ccctcgagtc tatagtccct tcctgttaagg 300  
ttaatagagt ctccaggtag gtgatgccgg gaatctcaaa cctccggcc gctatacacg 360  
gcggctagac cggctcctc ctgcacgaga taacaactgt ggaatcccta atttctacaa 420  
gtgatacggc cccgtacacg attgtctccg taccggaatc ccggcgatac acaacg 476

<210> 22519  
<211> 484  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E6

<400> 22519

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ccttataagg ccgacacttg cgataaagac ggaccggaaa aggccccgt cctaataaga 180  
cccgacgtcg ccacacctcc cgtcggatcg aaagtgcgg gagaaagcgc ataaaagttc 240  
ccgtcccacc acgattacaa cgccgcccgt ataaacaaact cctcggaaagc aacggtagtc 300  
tacggacgca agaagccagc gcctctacta ctagtcgtag cccacggct attcaagaat 360  
ctatttcgta tcgaagaccc cttctctatc ttatacaatt tacacggtag aattaaatcc 420  
acggtagagg agacacgttg cgacactcat taccagaac tcgaacggaa cactaccccg 480  
tcca 484

<210> 22520  
<211> 389  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E7

<400> 22520

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accaaatgat ccgcacaacg atttcatact gcgacgtaac atctgcttcg tcgcagagga 180  
cacgccttat cggaagatac ctactacggc cttttcgac agcttacacg tcggatgcgc 240  
ttacccacat aatacctacc cctatggata tcatacgct cagtaactaa aagcactccc 300  
caagatgaac gtaccgtaca taaatactaa catcgacgga agtacactcg cgataccac 360  
tcaagattag aggagttcg tcccgataa 389

<210> 22521  
<211> 465  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E8

<400> 22521

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gttcgtgagg gtcctcgacg gtttctgatg ttgcttccct tcttcagcgt ttagtcccac 180  
cgttagactta gtttctcgac ttctgctcct ccctattctc ttaatacgaa ggctaattatt 240  
aagactaagt cggagttggc tacgggtttg ctgctgcttt cgttgtagaa tggtagttag 300  
tcatttgatt tggtgctatt gtctagtctt aatatgggtt attattttgc tcttgcgttt 360  
attatattca ggcgcgttcc actgcgtctg ctgcctgggt atacggcgat ttttagttatt 420  
gatatattgg tgactatgtc tattaagaag taggatgata agttg 465

<210> 22522  
<211> 467  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E9

<400> 22522

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ggataacggac gatcttagtta attttactcc tactgataacg aagcatcggt ttaataAGCC 180  
gcgcacatcggt aatgggtttc ctaaagctat tgctaaggac gctattccta agaataactat 240

tggtattctt cgtaatttgg aggttgcag ttctgtctgt atcgtaaga gcttacgtat 300  
tggtgccatt acggacgatg cctatgctcg agcacagtgg tgttaataat gagattacgg 360  
tctcccgttt gaatgttgac ggtgagttt agggccgctc taaggagtcc ggacgtcctc 420  
agatttcgta ctgatcgatt tactccctca ggcaccaccc actctcc 467

<210> 22523  
<211> 460  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-F1

<400> 22523

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ggtcttgcattagctgctta gccattcgat gtaggagtct agtagtaata cggtgttagag 120  
aattgttgtt gttgttcttc tcctcgtgct aggtcatggt gcctagagat tttcggctc 180  
aagctcaata atagttttaga tgaaacctat gctgtcttgg ttgcccgtgt tcctggctc 240  
tttcctttac gttcatggtg tggtgttcta tggatttgct attgctccct atttgctagt 300  
cttctttgcgttgcacttag tgagtaacctt cggggcttc ggttagtagtg atgtggcgcc 360  
ggagactgag agtgcgaggc ggagtgcggc gggactgaag ttcgagggtc tggagtgctc 420  
gaggagtcgt anaaggtag tagagacgga tggtgatgct 460

<210> 22524  
<211> 419  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F10

<400> 22524

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actaatatgc cttgtggttc tgagggtgct cctgctgatg gtcatgtgg ggtgtctgga 120  
aggaagatga tggtgatgct ccgggttgct ggtttgcgtc gtgttcttct tcttggcggt 180  
tcggatgtgg gtgtgatggt tgtttgcgtc aattgtgttg atgctgatgc tggttcttct 240  
tcgctgcgggt ctgatgtttg tttgggtggc cttgcgtcgc atgctagtc tggtagttct 300

gtgtagtcgc tgtcgaagta gattgctgag tctgtttggg gttctgaggt gcttgggtgg 360  
ttgcctgctc gggttactaa ggaggttaag cctagtgttgc atgcgttggt gccgtcgctc 419

<210> 22525  
<211> 61  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-E1-F11  
<400> 22525

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c 61

<210> 22526  
<211> 279  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-E1-F12  
<400> 22526

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gtggagttca ttaatgtcta acgagtgacg gtctcgctcg ttagtgcata gaccctctcc 120  
agtgcataatgg ctccgggtt ctcgggtgcgt gatccggcg atacttctga aaataaaaag 180  
ttcgtctctg ggatcatcac ttcaaggaaag gacgcttata ctcgtatgcc cttaagagac 240  
ttgatctccg tgactggag ttcgggttacc gcggtatcc 279

<210> 22527  
<211> 494  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-F2  
<400> 22527

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aggctattaa tgctaatgct attctttatg agagttctgc ttctaatgct ccttgtgttg 180  
ttaggtggga taacgaggcg gtagcgttagg tggatagatc gagggatctg tcgtcgagg 240  
cgacgtggga gttgcatggt gcacggctgc tgctgggttt gtttgcgggg acgagtggta 300  
gtggtactgt ttagtgcgaag tacgatagtg cgatgatcgaa gtctgacggt actactgatg 360  
ggtaggtgggt attgagtgct gtagcggggg ccctagagga ctatcatggt ggtcataatt 420  
actcncnta acattctgtc cgactaccac ccaaccgtgc ctgcctacgc cgaaagcctg 480  
actaaatcac taaa 494

<210> 22528  
<211> 445  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F3

<400> 22528

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aaaaaaaggat aagggtcgct gaccataag acttaagccc atgcattgtgc gaacgtaaag 180  
ctacagtccc ctcacattgc aattcaaacc aaccctatcg gttgcataacc cataatatcg 240  
ggaacgtgaa aattccgttg catttaaatc caccgtttcc gacgtataacc tttccctct 300  
tagccagtgc aacaaggatt aggttggcat tgaccgttac cattaaatatc cttctaactc 360  
gaacggggaa cggtatctct ttcgcattcc aataccaaat gtcgtggccg ccatggccat 420  
gtgtattgcc attgccgtaa ccgtt 445

<210> 22529  
<211> 428  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F4

<400> 22529

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cccactacgt aaagaaaaata cggcccgat ggcacagacg catcggaggt acgtaaacct 120

cacaacgccc cgagaggcta aaccccatac accgagccgc ggatccggat acccgataaa 180  
aaagagcgag gaaagaagcg tgtcctagcc accaatccgc cagcacggc ggataactctc 240  
tccgagcgga cgtattcaac atatcgtaaa acacgcccc aataaaaagc ccgcccgatt 300  
ccgcttcgat ttacgattcc atacaccgtt gcctaagcaa cttagtaat aggcccaata 360  
attgcggcgg cccttaagtc ggctgagggtt gcggtagcc ttagagtcgg gggagaggtt 420  
gcggctag 428

<210> 22530  
<211> 473  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F5

<400> 22530

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ggttgttggg ggtgtattgg atattgtgtg acgcgtggcg tctccttggt tgtcggattt 180  
cattcttgggt cgaattgacc ttagggccgg taggttgcca agtagaaaag acaatctcct 240  
ttgacgtttt tgggttgct cttggatcct tcaatgctgt tgctcggtgt tatgccttgg 300  
tctggaaac tccaatttga ctttcctg ggcatgtgt gcaactgtgt cactcggtgg 360  
gcccttttg cttccaaga ctggccatt tacgcgtaa cggtgcctat acgaaattcc 420  
ctcgctcct ggtcctaaa gcctctaccc gaacacctgt catcattatt aag 473

<210> 22531  
<211> 471  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F6

<400> 22531

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gtgagtgat ttggtagtcc gacggtgctt acgcggagcc ttcgaggggg actgttaatt 180

tttccggta c taaggcgagt gataagacgg agtttggta gtcggcgaag tcgactgata	240
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atactagggc taagccattc tattccactt gtgtggctt g ttaggtcgga tagagcgcta	360
ttcggactat cgatttgacg tatggaaata ttactaaat cttccgtgga tgaaagatct	420
ggttaccgcg tcttacctcg gttgaggcat gggttccctcc tgatgcgtat g	471

<210> 22532  
<211> 479  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-01-E1-E2

<400> 22532

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gcctatggcg acggagttgg atatgacgtg gtggtcgcct gtgggtgagt cgggttttga 180  
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gtagacggtg gtgtcgagg gatatggagt gggtcatcgt atggtgcttgc ggacgcttgc 300  
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ttcgcatggt gggatataatg tgtcgtcggt ttggcattcg ttgtgtgttc ctggggcggt 420  
tgttattccct gcgatgttg atgatgagggt tgntgcgtgt gttggcggtt cttttggtg 479

<210>	22533
<211>	291
<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-031-01-E1-D10

<400> 22533

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gaaaatttcg gtgacattta atccaaactgc tccgtagtat actttttccc tgttagtcgg 180  
tgcaacagtg aacaggtttg tattgactgt ttccattaaat agacgtgttag ttccaaacgg 240

gaacggatg tcttcgcag tggtgtacaa gtgtcgtgcg cgcggccgc a 291

<210> 22534

<211> 235

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-E1-D11

<400> 22534

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gagaatgaag agttagttaa gtaattaggt ggggggggag taatggtatt gggactaggg 120

ataaaattatg agttaaattt ggtggattt ggtgtgaaa tgataagata aaaaggagta 180

agttagttaa tgattgagag agtgtgagga tgaataagta ggttgggtt gatgg 235

<210> 22535

<211> 313

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D12

<400> 22535

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ttaagtctga cgattaaccg cgcgaaactaa tgggcttcgg ctcatcaggc cgaaccatca 120

ctgtgggtgtg gctactagca gggcaaaatc aattcgctct atgatggctc aaatttagtc 180

tatgcctttc accggcgggc gaataacgta atatccggcg aacgtcgtcc tataacgaca 240

ggaagagttt gtactaaagg actatccgtt gatgtcatca ccaatgtccg gtcggataaa 300

gttaggcact ttc 313

<210> 22536

<211> 493

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-E1-D2

<400> 22536

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gctgcttctt ggtgctgctg ctaaggatgc tgcgaaggac gtgggtgggg ttgggtgaggc 300  
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ggcgacggat gttaagaaag aggaggtaa taataaggcg gttgcggaaag aggactcgac 420  
cttcgaactt attacggttt atgaggtgtc cgtcgcggag gaagggtttt aggccgatga 480  
attatctaaa act 493

<210> 22537  
<211> 482  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D3  
<400> 22537

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tctacttgat cagttgtgta taatgttagcc tccgctacga ctcactcagt aaacaaaaag 360  
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tc 482

<210> 22538  
<211> 484  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-E1-D4

<400> 22538

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gcgctggata agatggcgaa gttggcgcat accactattt ttattgaggt tgtgtatact 180  
taggttattt cggtgcgtgg gtgttaagtat gggtcgtggg cttgtgcgtg gagtggtggg 240  
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ggtgtgttagt ctggtgagtc tcatcatgtt gcggtaagaaga cgatttttag ttctggcct 420  
ttggtggttg cgctgttat gactgggtct gggggttatc ctatggggg tggtcctngt 480  
acgt 484

<210> 22539

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D5

<400> 22539

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taggtgcattt cggatgatgtt ttcgacgcgt gagactgagg gttattattc tgccgtgggt 180  
gctactgctt gttatgtatgg cggtgatcgg gtgtatagta tggcgctgt tgagcccacg 240  
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tgccgttaaga atggacttagg aggtacgatt gcgaagaaga tagggcaggt atctgctgcc 420  
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<210> 22540

<211> 489

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D6  
<400> 22540

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gaggtgttag tagtgttatt ctgtgtcat gatggtggtg gtggtcatgc ttctgctgat 180  
tcgcttcga tgtcgggtt gattgtgatg ttatatttcg ttgttcttct tctttcgag 240  
ttcgattata tattagttgt tgttgttgtt ggccttagcc ttgttggtgc gtggtcgcct 300  
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gtgtataaga aggagaggag tgcggggcgg aatgtttatt ctcattctt gttgttggtt 420  
gtggatatgg tgctggtgct ggctgttggt gttgctgctg tctgcgttgt gatgtatgtt 480  
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<210> 22541  
<211> 462  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D7  
<400> 22541

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taggtgcattt cggatgatgtt ttcgacgcgt gagactgagg gttattattc tgggtgggt 180  
gttactgctg gttatgtatgg cgttgttcgg gtgttagatgatgatgatgatgatgatg 240  
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ggttcgcctt ctggattcat taagcatacg gctacttaag gtgagttcgg cgttgcata 360  
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ggtaactcatg atgagttgac gatgttcggg tagcgtataa cg 462

<210> 22542  
<211> 432  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D8

<400> 22542

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tgttcctcggt gcgtggctta ctaaggagaa tgataaggag tcgacggtgg tatcgcattc 180  
gtaagcgagt acaacgagtt aggtgtctac tcctgggatt tggctttgga gtcggcatcc 240  
tgcggactgg attgggtgtgt cgtcggcgac tgatccttcg gtggactagt cggaggtcat 300  
gtgtactgat gtgcatgtta atcgtagcc tcgtaagacg tagggtaactg gtcgcggtcg 360  
gggcggtatt actcgggtgc gtattgccgc tattcatcct ttgtcggatg cgtctaagcc 420  
cgctacttgc ca 432

<210> 22543

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D9

<400> 22543

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agtgatgaag cgacttattt gttagttacg gagacgaaga aggcttctcg tgggtttct 180  
gctgttggttt ttctggttat tgtaggtcg gttctggctg ttcttgaggt gtttctttag 240  
gtgtttgttg gtgtgggtgg cggcgtggtc ggtttcagtg taagtggtgt tgtagtgc 300  
gttgcgtttt tgtaggtttt gttctgggtt catccttctg ttcatcatcc ttatcgagtg 360  
atgatgtgtg ggggtggtaat gccgggacgt actgcgccccg gcctacttgg acaaccaacc 420  
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<210> 22544

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E1

<400> 22544

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agcgttacgg ccgtaaaacc tcgggtgtga ctctgtacgg tatgagtcgt agaaaattga 120  
ccaaaaaaaaat taaacaatat attggcaaag caactaaatt aaatatgtgt cgatattgat 180  
tgactagtg attttgcctt aagagggaaac ttattattgt ggttggggtt ccttagactc 240  
tgtcggaggt agtggtagtg atggggccg cgagtgacgg tgtctaatac gaagatttcg 300  
atgtacgtgt cggtgaaagt gccggtcgct acttagaaga tggcgctat gatcgctac 360  
gaggcgatgg gtttgcgttt gtcgtaagat catgagtc 398

<210> 22545

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E10

<400> 22545

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gcgatggta ttgattcgcg tttatTTAAG gataaggGGC gtaagttgtt gtaggagtat 120  
cctgattcta gtacgtttgt gccttcttag actgtgttagg agaagggtgg tactgcgttt 180  
actcttcact gtagggcggt acgtgtaaag tagggtgta cttggcatat tactattggg 240  
aataagcatc ctaatacggc gatgactatt aatgcgggtg gtgttggtga tactgtgg 300  
gcgctggcga aggggagtaa gtgtgctaag cggatggaga cgaagtgtaa tcgggggtaa 360  
gcgcggtaga ttgaggagga ttctattcgt gagctgtcga tgccttggc gacgat 416

<210> 22546

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E11

<400> 22546

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ggtggatgat acgttgactt gctgtgatac taagatggcg tctgaggcta atagttatgg 120

gtatgttagt gcgggtccccg cgaatattaa acctgcagga cgcgggtatg ggattaagac 180  
gaataaggtg cctatgtctg agaagttac ggattcgaaa aagggtgcga attatgctgt 240  
tgctccggtg ctgatgacgg gaacgacgga tagcgggtgc cattcgaggt attgctcggt 300  
tggtgctgat agggcgtaga ctaagggttc taatgtgggt atgtcggatt cgatgaacaa 360  
tggtcggggt tatactgctg gttctgctcg tcagtagaaag tagactcata ttgaccaggg 420  
tacgggtaag gctatacgga agttagctgc gaatg 455

<210> 22547  
<211> 434  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E12

<400> 22547

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cgatgaggct aaggtaagg cgaaggagct gcctaattgac gggaggagt ctattagtaa 180  
tgtttcggtg tctactgaga agggctact gtcttcttt gcgtcaaagg gtggtctgaa 240  
atgatggccg tctgaggagg agggagaatt ggtgtaagtt gggtcgtat ctgataagga 300  
tggtaacttg gagcggcgt ttgatagcga gtggagggcg tctaaaggtg gtggtcccaa 360  
gagtatatct atgttaaacg cggcggcggt gaacgatcgt agtggtaagc ctaagattac 420  
caatgaggtg tccg 434

<210> 22548  
<211> 448  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-D1

<400> 22548

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gggattctta aggcgaatac tattggtgcg attcgtggtt tcggttatgg tactagttact 180

ggtagttcag ggtggcataa ggatgagaag gatgctatgg atactaatgc taaggaccgt 240  
atctccaaga agatgacgcc tggtgcttgt actaaggatgc atgaggatgt tgntcntgct 300  
tctattgctc ttaagactta tcatgagaac actaagacgg aggatctagt taattttact 360  
cctactgata cgaagcatcg ttttaataag ccgcgcacatcg ttaatggtgt tcntaaggct 420  
attgctaagg acgctattcc taagaata 448

<210> 22549  
<211> 472  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-B7

<400> 22549

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tgctgagggt tagttaaagt ccgttacggt ggttgcgtgg cttgataggg cttattatta 120  
ttattgttgtt cttgaggtgc tgcgcgttgtt aattcttgcgtt gttgcgttgtt tggtgagggt 180  
tgacgatgtt tcgtgttagt gtttgcgttgtt gtctgcgttag gcttggaggt gggatttaggg 240  
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ggtgccttta ttttgcgttgtt tgggggtttttc ttctagtgatc gtgaaagtga 360  
ttctaataact agggaggattt gtcttcgttag tgaggcgttgtt ggtggatttg tggtggttgt 420  
tggcttgaa cttttcgatcgatc cttttcgatcgatc tacggcgttgtt gctgtggctgtt 472

<210> 22550  
<211> 487  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-B8

<400> 22550

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gaaggcgttag gataatcctc gtctgatgtc gcgtgagggtt aggaaggggaa cggattcggc 120  
ggcgcgttgtt gagcttcgttgtt attctctata gtgtcttaat tcggcgttgtt atgggttgtt 180

ttagcgtaag ggtaagcgta ttgagtagaa gggtaactatt gtgtttaga cgaaggcg 240  
ttaagaggcg cgtgataagg atcatgcggc taaggtggc gaggctatta aggttcgtaa 300  
tattattcgt gttaaggaga agtagttcgt gtctagttag aatcgtagga ggcttcgtat 360  
tttcttcgtt cttcgaaatgt agagtagtgn tggggctgc tgctcctcgt tcgtccgtgc 420  
gatatcgAAC tatcgacata ctacatacg acgtacggg cgtgacgatg acccgacgta 480  
cgtacgt  
487

<210> 22551  
<211> 423  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-B9

<400> 22551

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cggggctgtc gtctgcttcg ttcagtcgtt ggcttggta gtactattct tcgtctgtgg 120  
ttctgttttag tctttcttat ttcttagcga gatgttagact ctgcgtctgt ggttctgttt 180  
agtctttctt atttcctggc gagatgtaga ctccggcgtg atggggtac atggaggtag 240  
ggcagcgtag ccgcgtgcgc gccggcggtt cggcctcgtt aattgagaac gtctagagac 300  
gaaccataga gagacggtac gttcaataacc gaaagaatac cgtgataagg accttagatc 360  
cggcctagaa tttacacntc tagaacgtgg aacacaaact aagaagaagt cgacgacgac 420  
tca  
423

<210> 22552  
<211> 426  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-C1

<400> 22552

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atgggtctcg tatgtgggtg ctgtgctgtt cgggtttgtt ggatatactt ttggtaacaa 120

cgagggtttt tgggtggtgt tgtgcttctg ttgggtggtgt tcgtgtgtcg tcgtcggttg 180  
tgattcccttc ggtgggtggt tcgcccgtatga tgcttcttgc ggtgttgcgt tcgtcggtgt 240  
tgtcggtttc gctgtcggttgc cgttcggttgg tggcgattgt gttgggtggng ctggggcatg 300  
gtgtgggtttt ggggtgcgggtg gtgtcggttgc aggtgggttgc ggtgcgtatgtg attctggaga 360  
ttgcgttata gtagctggct gatgagactc tgtcgtgtc gggtgcgtcg tgggtgggtgt 420  
tgttgt 426

<210> 22553  
<211> 348  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-C10

<400> 22553

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aaacaaaaaaaaaaaaaaaaataagaaaaaa aaagggggagg gtgggttgcact cagaggactt 120  
aagtccatgc atgtgcgtac gtatgcgtac agtctcctca cagagctatt caaacctaacc 180  
ctatcggttg ctggccata attccgaaat cggaaaatt tcggtgcaat ttaatccaac 240  
tggccgtatataccctttt ccctgatagt cgggtcacca ttgaagaggt ttgtattgac 300  
tgtttccctttt aataggcgtt tatttcgaac ggtaaacggg atattttt 348

<210> 22554  
<211> 473  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-C11

<400> 22554

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aaaacaaaaaaaaaaaaaaaaaaaaagggtt ggttggctca gaggactt aaatccatgcatt 120  
gtgcgtacgt gatgctacag tctcctcaca gcgttattca aacctaacct atcggttgc 180  
gccccataat gctgcgtatcg ggaaaatttc ggtgccattt aatccaaactg ttccgtatgt 240  
tactttttcc ctgttagtgc gtgcaacagt gaagaggttt gtattgactg tttccctttaa 300

tagccgtgta gttcgaacgg tgaacggat gtgttcgca gtggtgtacc aagtgtggtg 360  
 ggcgcggccgg ccatgtgttag tgcgattgcc atatccgtta gtgttccat gttggcttc 420  
 cctgtccctc ctttccttcc ctcggttatg cctgttgggc ccttttgcgt agt 473

<210> 22555  
 <211> 473  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-C12

<400> 22555

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 tattgctctg tggggactg ttctcatttc tattaagtat ggtcgtagac cggctccgccc 180  
 gggtgatgag ggtgtgtcgg ttgtgatgga tgaggaggtg tggtgtcgtg gggcaggggg 240  
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 ggttgcggac tgggttcgggt gtcgtcctct tggatcggac gttcctgcta atgtcatct 360  
 tcatgagggc atgaaggacc tgtacataga catagccttc ctccggctgt tccgaattcg 420  
 ccgtctaacg tctattcttgc agcgaaaact ccgaatgatc gggtggacgt tcg 473

<210> 22556  
 <211> 422  
 <212> DNA  
 <213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-031-Q1-E1-C2

<400> 22556

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 ggcgataccg cgggtggcgga tgctaaggaa aagggtcttgc atatgcgtatgatgat 180  
 tatcttcggg gtgttactcg gaggaaggat agtgataat tggatgggg attttctatt 240  
 gctgttcta tcattgaggg aggtatataat attgctcatg atgacgctac tttcgat 300  
 cggaaaggta atattgntca tattgntaaa caaccaatcc cagcgtcgat aacatccaa 360

gctggttcac gtcagtcaca tcagaccggg ccggacttta agtaacgtac catatacgt 420  
cg 422

<210> 22557  
<211> 466  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-031-Q1-E1-C3  
<400> 22557

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gatcgacgct ctatacgaat aaatcgacga tggcgtggt gggtagatta ttcccagtcg 120  
tcattgtccg gcactaaagg acatcgatgt cgccatggg actgatgata ggtgtatag 180  
agatacacca ggcggataac gagcctgaga ttgagcacgg tactgattaa agaggagacg 240  
catgagttgc taacgcccga gtacgagccg tggataaga aagtcgcctc cccgcgaatg 300  
catatgtatg gtcaggcatt atctaaagtt tctgtgccgt gtacttatacg tcgcagcata 360  
gtaactctat cacgtctgcc atatggacgt gcgactattaa gtagtcccac atgcgagccg 420  
aacatctctc actcgatata gacctgagtg tgccacacac accatc 466

<210> 22558  
<211> 487  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-C4  
<400> 22558

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ggtcgttaga acatcttagg actgttaagag tgattcaacg ggtattgcga agtccgcacc 180  
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tgatgtgctg gttacacactg gtccgtatgc cgatttgggtt tctttgctg gagctccct 300  
gcttaggtta gggtttcctg tggtgatgct tggttggcct tcgggtatgg ctattggtaa 360

aggtgggtat gttgtacgt tttatgaact tactgattc gccgcagtcg tagttatcat 420  
cgctgctagt tcttagaaga ctactcntg ggaaactgac tttcgttagg gtgtggcgc 480  
gcttgct 487

<210> 22559  
<211> 453  
<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-031-Q1-E1-C6  
  
<400> 22559

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gtaccggaaa gagctatctg acgacttcga tatcaagacc acaaggttt aataggcaca 180  
tattggcct cggtccaggt atcacattt tgcttagagaa tgagcgtcac taagtttag 240  
cgaggaatcc ggctaggccg ttattctaaa tgtaatcagg tgttgntgcg tcggcctcg 300  
ttcgcagaag tcgttagtgca caaatgtatt ggtacatcta acaaatactg attatccccg 360  
cgtccgaaaa gttataaac gtcccccagt ccggccggag ccgcagggttc cccggcgctg 420  
agcacacagg taacaacgta gcgagaatat tat 453

<210> 22560  
<211> 468  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-E1-C7  
  
<400> 22560

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ttggtaagat cactatttct gagggggagc tgctcgatat taccgataat gccaagggtta 180  
agacttagga taaggagggt acttttttag attagtagtg gtctactcct gtcggtaaat 240  
agtccgagga tgggtgtatg tccgtcgatc ataatactta gaaggaggtt atttcttatt 300  
ccgcgtcttg ttcttagggaa ggtacgtaga ctcccgcaa aatttcgatt ggtaaagatca 360

ctatttctga ggccggagctt ctcgatatta ccgataatgc taaggttaag acttaggata 420  
 aggaggggtac tttcttagat tagtagtggt ctactccgt cgaaaagt 468

<210> 22561  
 <211> 486  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-C8

<400> 22561

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 caacaaatac tacgggtaa gttctatggc ctgcttctc tgttgctgctg gtgtcgctgc 180  
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 cgtatgcgga tgtgcctgtt aagtgtattt tggtaggtgtg taagtatgct gtgaggctgg 420  
 tttgttattac tttgtttagt tagatgttagg tgtctatgcc tcgtgatatt acgcatacga 480  
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<210> 22562  
 <211> 486  
 <212> DNA  
 <213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-031-Q1-E1-C9

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 cggAACAGAA taaagttagga gagacgactc ggagctcgcc ggtcactcct cgtcacaccc 180  
 cccaaAGAGGA agggttccaa agtcggatc aagaaaataaa agcacgacaa aaccagcgaa 240  
 aaaaaaacgt ccattctggc agagacctcg cgtaaactcc atttgttggaa gcctgctcta 300

cacccttatac accgctgtct ttcgtgaccc gaagataggt tagaccatct cctaacgaag 360  
aagtctccct gcgacgcacc cacatggaa ggacattaac ccgaccatgc acccgatcgg 420  
atcgtatcta agcatttcta aacgggnctct taataatagt ccgcctaata attaagcgt 480  
agaacg 486

<210> 22563

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-B6

<400> 22563

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gatattggag agccactgt tgcgaagtag tcgaataggg atgggtctta gggtaatgg 240  
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tcgggtcata gtattgatct taatttagtgg acttcggctc atgagcatac gtttaggggt 360  
ctgtcggagg attactcttc ggatccgttt ttgagtcgga agtttcgtt gcggtatatg 420  
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<210> 22564

<211> 493

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-E1-A2

<400> 22564

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gaccctgagt tacaccacat atacacagct cgctacgaac gtcgttacgg aaccggattc 180  
tacctcacta ttcccttaag cggcaaaaaa ataatagcca gaaggaaatc ctaagaacct 240  
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accaagaagg gaccgtcctt caagagttcg ctataactca cgcacgctct cccttcggtc 360  
ggtcgtcctt ggctaacttg tcccgggtcg gaagaagtct atggaaaagg ataagtctcg 420  
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gccgacccca taa 493

<210> 22565  
<211> 483  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A3

<400> 22565

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ctctattatt gttgttgtca ttttccctg ataatattac gagggagcgt actctgactt 180  
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ata 483

<210> 22566  
<211> 460  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A4

<400> 22566

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taaggtgttt tcgttgcct tgctgtcgct tgcttctgtt gttcctcctc cttattattt 180  
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tttgtgtctt gagtcgtctt gtgatgttat tagtttagtct gctgattcgt tttcttttgt 300  
taattctctt ggtgtgggtg cttgggttct ggtttctagt gcgtgttagta atgtgtctcg 360  
ggttgggttgt gctaataattttt ttggtcctat tgctttgttg tgtgctgcgt tggtttgcc 420  
tgtgtgttgc tctgttactg ctccctgagtc tcctgcggga 460

<210> 22567  
<211> 439  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A5

<400> 22567

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<223> Clone ID: LIB3066-031-Q1-E1-A6

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cgacttcctt taatctgtcg gcgacggatc ctgcgaataa tggggaggcg cttggcacta 240  
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<223> Clone ID: LIB3066-031-Q1-E1-A7  
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<223> Clone ID: LIB3066-031-Q1-E1-B1

<400> 22572

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ttgttacgga tgaactcgag gagtatacgta atgggtggtgg gtattttat ttgttattatg 240
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-E1-B11  
  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-E1-B12  
  
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<210> 22576  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-B2

<400> 22576

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<223> Clone ID: LIB3066-031-Q1-E1-B3

<400> 22577

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<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-E1-B4  
  
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<213> Zea mays  
  
<223> Clone ID: LIB3066-031-Q1-E1-B5  
  
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<212> DNA  
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<223> Clone ID: LIB3066-031-Q1-E1-A12

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<210> 22581

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G9

<400> 22581

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tctttgcttc atgccaatac ttgtatTTTg tgccttttc atttcacgg cggagcaaaa 360  
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<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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accacaccttca gaacaccacc cagttcgcc tcatacgccgt cagcctcgcc tactacgaga 180  
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<223> Clone ID: LIB3066-030-Q1-K1-H10

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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H11

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<211> 332  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H12

<400> 22585

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<210> 22586  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H2

<400> 22586

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<210> 22587

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-H3

<400> 22587

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gcatccaagt gtacgaacat gtcatcagag cactaagctc gttccaaggc tgattcgtaa 360

aaaaaaaaaaaaga agagaagaag gaaaagtggc agtgctgatg cgtggagtgt aacatagcag 420

gttttgttaat aa 432

<210> 22588

<211> 158

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H4

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cggcgacggc tgctattagt gttaatgtta gtgtcgatcg ggtctccttg aacaatggca 120

ggaatctgtt gcttggttac tttcttctaa tggcaagt 158

<210> 22589

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H6

<400> 22589

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cattttaacg tgtttcattc acccatotta ttgtgattga tcgcttgcaa taaaaaggcc	180
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<213>	Zea mays
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<211> 422  
<212> DNA  
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<223> Clone ID: LIB3066-030-Q1-K1-H9

<400> 22592

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<210> 22593  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A1

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caacagtaac aggtgccaca gcaggatgta taacgtgcc a tcccgggac ttcccgcg 240  
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<212> DNA  
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<223> Clone ID: LIB3066-031-Q1-E1-A10

<400> 22594

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<210> 22595  
<211> 405  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A11

<400> 22595

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aagttatggc gttaacggat acgcgttagaa tcggaaacttt ggtaatctag ctcacgtttt 240  
acttcttagga ttaggaatac acttaggtt gacgcatacata ctctttctat agcacgtat 300  
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 <213> Zea mays  
  
 <223> Clone ID: LIB3066-030-Q1-K1-G8  
  
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 tggagtctct cctcgccctcg cgatccatta ggtttcctt ctccgcgtc gccagcatca 180  
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 cccgctcccg cgcgctccgt gctggccaca cggactcaat cttttaggtg ctggcacagg 300  
 acgatatgct gaacgcaaag gagctggtcc aatgggagaa tggcttgta ttcaatgaca 360  
 tagcggctag gcaggggatt cgcatccgca gacactggcc gcccaactgcc tttcttgagg 420  
 agatagagga ggagct 436

<210> 22597  
 <211> 428  
 <212> DNA  
 <213> Zea mays  
  
 <223> Clone ID: LIB3066-030-Q1-K1-F12  
  
 <400> 22597

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 aaacaatgaa tgggtggaa gacttgcatc agtcaaggg gtcagtgagc aactaaatct 360  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-F2  
  
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tattcgcaat tattctccat actacagaca attcacttag tacagattt aagcactatg 180  
ggtcccacaa ggtacccatg acttttggc tctaattgcac tattgaacac aacaactagg 240  
atgaccgcta ttgtcagagc catgaaggat cctcccacag acatctctat tgcaaaaaag 300  
cccttcttaa tttaagggcc tgctccggaa tgggcctttg ctcaatcatt taacaattac 360  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-F3  
  
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aagcactgaa ttacgatgat caaagtggaa accttccgcc acctccttgg gaggctcagc 180  
cagcggcaag caacgaaatg ccaaattggc aattgggagg cgtgcaaccc ctccctggga 240  
cagctggca gttcggcggc atgcagcagg cactgcaacc acaagttAAC cacatgggag 300  
ttccacaaaag gcagccaatg tacagcaacc agccagggt tgggtggcg ccaacacaga 360  
tgcaaggcagg cttggggAAC cagcagttgg gttcgacatc catgatggc atgcctccac 420  
agatgtatg 429  
  
<210> 22600  
<211> 175  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-030-Q1-K1-F5

<400> 22600

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 aatgatttac catcatcaa gagataatct ttcgccaatt tcttagtatg atcag 175

<210> 22601  
 <211> 424  
 <212> DNA  
 <213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-030-Q1-K1-F6

<400> 22601

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 ggcacgctgg cgctggccca cggtgcgc aa ggaggaggac catcgccatc ggccggcgac 180  
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 cggatcgtgc tggactgtt tggggacacc gttcctaaaa ctgcagagaa ctcccgagca 300  
 ctggcacag gggagaaagg aattgccaag tccggcaagc ctctgtggta caagggtcg 360  
 acgttccaca ggatcatccc ggngttcatg atccaggag ggcacttcac caacggcaac 420  
 ggca 424

<210> 22602  
 <211> 277  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F7

<400> 22602

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 gaatactaga ttaagtactc gtgcgtatc cgtatgggtt tttatattt gtatcctaaa 180

ttaaattata gggccgtagt tttaaatagt ttgttctgat aaaacatctg atgttactca 240  
tataaatgga tttgtactaa atctgctttt cgcaatt 277

<210> 22603  
<211> 434  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-F8  
<400> 22603

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ttttagcgct cttctgtgtc gtgcattgtg agaaggcaaa gtcaaaggac aacgatgcaa 120  
aagcgtccgg gcccgggtgg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca 180  
agacggatag cacgaaggct gtgcaggagg cgtggcattc agcgtgcggc ggcaccggga 240  
agcagacgt cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc 300  
catgcaaggg cgacgtgacc atccaggtga atggcaatct gctggcgacc acggacctaa 360  
gccagtacaa ggatcatggt aattggatcg agattctacg cgtggacaac cttgtcatca 420  
ccggcaaggg aaag 434

<210> 22604  
<211> 107  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-G1  
<400> 22604

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<210> 22605  
<211> 241  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-G11  
<400> 22605

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gggacctaca gtactgcttc tgattgatcc acaatagcca tacgctacaa ctcatgctgc 120  
accactctat gacgcgatta ccgtatacga gccgaggtac tcacaacata gtatcggtaa 180  
tcaacacgcc cttatgtcaa cgagccatct acaagctaga ccaacatcat tatgctcaac 240  
c 241

<210> 22606  
<211> 433  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-K1-G12

<400> 22606

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tcgcccgtta cgccaaactgg gagttctgca agatgcaggg catcggtgg ggctgggtg 180  
gcccacatctg ggcgttcagc gtcgtcacct acttcccgtt ggacgtgctc aagttcgcca 240  
tccgctacgc gctctccggc aaggcctgga acaacatcaa caacaagacg gccttcacca 300  
accgcaccga ctacggcaag ggcgagcgag aggccgcgtt ggcccacgca cagaggacgc 360  
tgcacggnc caaccaggcc accggcacct tcgaccttt cggcgacaac cagggttacc 420  
gcgagctgtc gga 433

<210> 22607  
<211> 437  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G2

<400> 22607

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tggtagattt gttccatgc ttccggatcc ttccaccaatt ctccgtgctt gtgctgactt 180

tgaccttctt cagttcacaa tcccaggagg tcggcatgca atgcatcagc caggtcttt 240  
gcaggaagca ggggcatgtc gggtgttgcg cgcaagtagcg gcagcgacca cagttctat 300  
tgaagctaaa atctttggca ggattgtact caggaacttg gaggcaccatc agttagggat 360  
gtcaacatga acacccagca gaggttcatc ctccaataaa caaaggcctc tgcatcgatg 420  
ggctgcttgg ccaatgc 437

<210> 22608  
<211> 430  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-K1-G3

<400> 22608

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ccacttcacc gncatcgtgg tcgcccgcac ggggttcttc accgacgcct acgaccttt 180  
ctgcatactcc ctctgtacta agtcctcgg ccgcatactac tacaccgtgg aggggtccgc 240  
gacgcccggc accctccgcg cgcacgtgtc cgctccgtc aacggcgtgg cttcgtggg 300  
cacgctgtca gggcagctct tttcggctg gctggcgac aagctcgccg gcaagaaggt 360  
ctatggcatg acgctcatgc tcatggctt ctgcgtccgtc gcgtcggggc tctcggttcgg 420  
ccacaccccg 430

<210> 22609  
<211> 429  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-K1-G4

<400> 22609

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tcgggtggtct ccatcctcct cctcctcctc catggcctcc tctgcctgca gctggctgcc 240  
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tccccggccgn ctgctccgccc ggaggacgccc gatgagcggc gcgactatcc cccgcgccatg 360  
catgccaagg atctgttccg gcacgagcag atgatcacga tcatggcag cgaccgaaac 420  
ggcagcagc 429

<210> 22610  
<211> 429  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G5

<400> 22610

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aggctaacaa tagcaccaag gacacaccga cagagtcaaa agagaccgtt ggcggtgacg 180  
acggcacccgc ccagagccag acgagcttcg acgacatgaa tggcagtacg aacgactcgc 240  
agcccatgaa agaagacggg aaggtcgccg agaatagctc cgatgaaact gccagcggcg 300  
gcaaggtgga aagcacagac gacgacgcga caaccggcgc ggcgtcaaacc aacgcaactt 360  
ccggaggcca gaacgtcgccg gcccggatcca tggcatttgc agccggat gatggcggcc 420  
acggcaaca 429

<210> 22611  
<211> 436  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G6

<400> 22611

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ccgcccggccga cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctttc 180  
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ggcgccggcg ccccaactgc ctccgagtcg tccgcccagg ctcccgtgg cgctggcgct 300  
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ggcgccgcgc ccgcccgcgtc cctttctcc ctctcgctt actaccca ctaagcgtgt 420  
gcgtgcgtac gtacgc 436

<210> 22612  
<211> 421  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-F11  
<400> 22612

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ctctcatttt ggcgatactg cggacttcaa gtttaagaga cgaagcttct agagtcatgg 180  
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gggcactgtg ggctgtcatg agtgggcatc gttcgccgt caagatcata tctgtcgccg 360  
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<210> 22613  
<211> 422  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-G7  
<400> 22613

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ccgggcagta ggagggagag gaagggcggc atggcggcgc cggccgcag ggcccgcc 180  
gactacgact accttatcaa gcttcttctc attggggata gcgggtgttgg caagagttgc 240  
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gactttaaga tacggacaat agaattggat ggtaagcgta taaagctaca gatttgggat 360  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D7

<400> 22614

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<210> 22615  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D8

<400> 22615

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ccagtctttt gggtcacaaa aggttctct gggagcaac catcgatgtt acttttcca 180  
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<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-D9  
  
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<211> 428  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-E1  
  
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ggagatcg 428  
  
<210> 22618  
<211> 426  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E11  
<400> 22618

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gaaagttga tatcgagaag gcaaagcaaa tgtggctga tatgctgaag tggagaaagg 360  
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aatgct 426

<210> 22619  
<211> 425  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E12  
<400> 22619

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gaagaagaac cgtatccagg tgtccaccaa caagaagccg ctctatttct acgtcaatct 180  
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<210> 22620  
<211> 433  
<212> DNA  
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<223> unsure at all n locations  
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		cgtcgctgcc tccogatggcg gtggggccac gtacgggtac acggcgggga gccccgacgg	180
		gccggagaac tggggcaagc tgagccccgc gtacaagctg tgccggcagg ggaaggcagca	240
		gtccccgatc gacatcgta ccaagcaggc cgtccccaaac gccaacctcg acaccctcaa	300
		ccgcacccatc gccgnacccg ncgnacgct catcaacgac ggccacgaca tcacgatgac	360
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		gcatgagcga gatggagatg aagaagatcc tcttcgcccgt ncgtcgta tcattcgccc	180
		ggctcgggac accgcagtgc tgggccttca ccgaggccgc cgccgccccg gcccccaactg	240
		cctccgagtc gtccgcccag gcttccgctg gcgcgtggcgc tggcgctgcc gctggcgccg	300
		tcgactcggg gcctcccgcc agcagcggcg cgcccgctct cgccgccccg cccgtcgccg	360
		tcctgttctc ctcctcgcc tactacccatc actaagcgtg tgctgtcg	408
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<213>	Zea mays		
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ggagcatgcc tcatacagcc gcggtaactga aattccctt cgtctggat gaggactgct 120  
tcgaaggcgc aaaagacgaa ctctaggtca caagtgttc ctgcaatgta tctgcttcat 180  
ccatgatcct gctggactac taaaattcac atgcactagt cgtaaataag ccagtgcgct 240  
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<210> 22623  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E5

<400> 22623

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gtcgtcgatc cggagctcgg ttccaacgag ggctagaggt cgtgcttgct ctttggta 180  
gcggaaaaaa aatagggtgt ttctcccccc cggtcttgg tgttatattg tatatttaag 240  
atcagggaa aaaaactggt atcacacggtt ttggaaccga agctaatttga agtacaggta 300  
tacatacatg catgtaatgt gagcgaagtgc gcatcgaga ttggagaga tcgatgccga 360  
gtgatacatg catgactcgt tggtcagaat ttattgcctt cgacttcgac agacgaagaa 420  
gtggttgg 428

<210> 22624  
<211> 416  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E6

<400> 22624

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tcgcgctagt ggccggccacc gccccacagg tagcggaggc aaagaagaag agagcggcgg 180  
agagcggcga ggcggcggag gcgaagaaga tccaggacga cttctgctcg acgctgtgcg 240



gccaccaacg aggccccgcc gcccggtagc gggcagaagg gcgagcactt cgacctcacc 420  
ataccggcg 429

<210> 22627  
<211> 426  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E9

<400> 22627

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tctgagcttt aaactcacag taaacttctg cgttgttca gtggctggct tctccgtcg 180  
acccgggtga caaactggcc tggcctggcc tgcatatctg tctaggagtt cgtaggcgtc 240  
tgagaacttc ctggcaatct ggcataatctg tctaggagtt cggaaagcatc taaaaagtgg 300  
catatctgcc taggagttcg ggagcagcta aaatcttcaa gtttagagaga gagagagaga 360  
aagagagaga gagggtgaaa gaagagaact tatgaccaat actgttaattg gctaaagtca 420  
tgtatg 426

<210> 22628  
<211> 368  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D6

<400> 22628

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ttgggacttg ttgggtcttc ctgggttgg agagcgaggg agcgcagtcg agagccagcg 180  
agcagtctct cgagcagtgc agtgcagtc cggcgtagat gagattgtat tgtgaccaag 240  
ccgggatgga aagcaacgga tggaggacaa agaagtttg tcacgttca agctacggcc 300  
attggccgaa gttgttccgg gaatttattt aattccttat taaaaatccg gtaaaattga 360  
tgggttcc 368

<210> 22629  
<211> 421  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-C12  
  
<400> 22629

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agtttgagaa gcggaaactg gccaaagatg atgtccgaga attgatttac cgagagat 180  
tggagtagcca tcctcaaatg ctacaagaat acctacaagg agcagaccac aatcagatga 240  
ccttcatgta tccaagtggg gtggatcgct tcagggcgc 300  
atggatcgctat ttggaagaag 360  
gtactgcaaa gggtaaaaaa cacagtccac agctgcgaca gaatgttct ttgccaagg 420  
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c 421

<210> 22630  
<211> 425  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-C2  
  
<400> 22630

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ggatcagcgt aacacagaga aatcaatggt gggaggtga gagaggcaga cagacacagc 180  
agagagaagc atgcattgtg tgctgcagct gcagtgcagg acgacgacga cgacggcagc 240  
agctagcagc gagtggtgat gtgagataga gaaacaaaat gcatgcagca aatagcttc 300  
ttcactttt ttgcaggcgg atcggagggg gagcggcagg catgaattga tgaaggaatt 360  
aacacaccaa tgcaacttgg aggagcgctc agctaaacat gtatcttcgt tcacttgc  
atttat 425

<210> 22631

<211> 418  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-C3  
  
<400> 22631  
  
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cgacagcccc aacacggacg gcatccacat cggcgactcc agcaacgtga ccatcagcag 180  
caccaccatc ggctcgccg acgactgcat ctccatcgcc cccgggagca agatgatccg 240  
cattcatggc gtcaagtgcg gcccattgcca cggcatcagc gtctgcagcc tgtggcgcta 300  
caaggacgag aaggacgtgg aagacgtgca ggtgacgggg tgcacgatcg ccggcaccac 360  
gaacggcctg cgcatcaagt cgtacgagga ctccaagtcg tcgctcaagg ccagcaag 418  
  
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<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-K1-C4  
  
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gaccggagt gcgtcgagca gatggtccag gccgggtgt gcctcgccct cgccaaggatg 180  
ctcaaggagg gacccatgaa ggtgcaggcc atgctggcct gggccgtctc ggagctcgcc 240  
gccaaccacc ccaagtgcca ggacgccttc gcgcagcaca acgtcatccg gctgctcgac 300  
ggccacctcg ctgcgagac ggtgcaggag cactccaagt acgcccgtac gtccaaatgt 360  
tcgatacact ccgtgctgat ggacagaaag aacaacgccc nctctgcgggt tcagccggac 420  
ttgctggatg c 431  
  
<210> 22633  
<211> 430  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C5

<400> 22633

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gcatccaatc ttttcactg gtcctccgc tgcttctagt cacgcata aatccggagt 180  
tgccagcatt cgcttggaggt gcctgacaaa gcacaccatc atgcaggcta gcatagggtt 240  
caacataaac tctcagcttg agcatttca agccaaatat gttggtacag ggcatgctga 300  
tttgtctaga tttgaatggg ctgtaaacat ccagagagac agctatgcct cttatattgg 360  
gcactatcca atgctagcat atttgccat tgctgagaac gaatcgatcg gaagagaacg 420  
ttacaatttc 430

<210> 22634

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C6

<400> 22634

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tgccctctct ggtggccaca cttgggaag gtgccacaaa gagcggtctg gtttgaggg 180  
ggcctggact acgaaccctt tggctttga caactcttac ttcaaggaac ttctgagtgg 240  
cgacaaggag ggccttcttc agctcccaag tgacaaagcc ctgctgagcg accctgtctt 300  
ccgcctctt gtggagaaat atgctgcaga tgagaaggca ttcttgcgtactacaaaga 360  
ggcccacctc aagctctccg aactgggtta tgctgatgtctaaatggcc atatcctgga 420  
gcgggac 427

<210> 22635

<211> 427

<212> DNA

<213> Zea mays

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<400> 22635

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tattccacaa taaattttt ctcaccaatg gcaagatatt cttcaagtgg cataagagac 180  
tctggatgtg gtgccataaa tgaatttaaa gctttgtaa gggaggccca caaacgggaa 240  
attgaggtga tcatggatgt tgtcttcaat catacagctg aaggtaatga gaaaggccca 300  
atattatcct ttaggggat agataatagt acatactaca tgcttgcacc taagggagag 360  
ttttataatt attctggttg tggaaatacc ttcaattgtt atcatcctgt agtccgtgaa 420  
tttataag 427

<210> 22636  
<211> 429  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-C8  
<400> 22636

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tcctccaccc cggaggccat tagcctgctc tgcaactgcca aggtcccatt cacccggcg 180  
accatggatg acgtcaacgt cgagtatagc ggcaccaaca acaagaccat ggctatatgc 240  
acgaacgcca agggcagcac caagggttgc ctcaaggagc ttgcatgctt ctagaccctc 300  
cgtcgactga cccatctctc tagttataat ttttctctcg tccttgcatt gcatattagt 360  
tgctatccat tggtaacgca caacagtaaa acgacaaaca tccaaacagct atattatgtt 420  
cgacggtgt 429

<210> 22637  
<211> 297  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-C9  
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accgacccttc taccctataca taccgacctt cagagacgcc gcctacgcac ccgtctgtac 180  
cttctacggt cttcttagcg tctgaggctc atctgctggc aacgctcact ggtctggcgc 240  
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<210> 22638

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D1

<400> 22638

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ctcttcaata aggccgccccg cggctggcgc gacgtcgccg gccatggtgc gggtgccagga 180  
gaccgggcca tggcggcacc ggccggcggc cccatccctg gcgacgacgc ggcattcaagg 240  
cccggtgacg gcggcccttg cgccagacgcg gtcaccggcc tcagccccgg tggcggcgcg 300  
ctgcctcacc ggccccccag cacaggagga cgcgtcggtg gctcggtgct atggacgcgt 360  
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<210> 22639

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 22639

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gcgcaaggat cgggggagag aaaccagcgg caacttacgt ggatcggggt tttttggc 180  
tgctcgccgc gcgcaggat ggaccggaag cgcattcaagg acgcgtcgaa gaagcacctg 240

nagaggtcgt cgccgtctac ttccaggggc gtcgtgtcca aggagagggga ggcgcctcgct 300  
gccgggaagc tgccgtcatc gcttggcaag gcggagggtgt ctgatggtga ggaatttgaa 360  
actgacagtg aagattctga tgtgagtggt tccgagggag aggacacgtn ctggatttca 420  
tg 422

<210> 22640  
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<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-D11  
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agtcggggat tccaggtcct tgacaatgac ccactggaaa aggcaaattgc atccattagg 180  
agcagaactc tcatgaaccaa gcttgttctg cctttacttt tggttgaact tgtgataacc 240  
aacccaaact gccaaaaaat ctggtgttgc tacatttgta tcaatctta cctgagcttg 300  
tgtttttgtta agcttatgca tgtacctcca catgtataga tatgctacct acattttctt 360  
tctgtggtca tatgatatgt tgacaaggc acagatatac tctcagttata tgatgacgct 420  
tctatg 426

<210> 22641  
<211> 421  
<212> DNA  
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<223> Clone ID: LIB3066-030-Q1-K1-D2  
<400> 22641

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gggtgtgttt actgcgttaac catgagcgag atcatgaagc taaagcgtgg gatcagcagc 180  
aaaccaggag accacacgtt cccaaatggc caacaacatc catgtcacga atggggaggag 240  
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atcccaggcg ggagccagaa gaaggcggtt ctgggcaagg tgaagagcat tgccaagaaa 360  
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c 421

<210> 22642  
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<212> DNA  
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cagcgtgcga agcgaccgga agcgccacgg tggtgatccc caagggcgac tacctggtcg 360  
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<210> 22644  
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 <212> DNA  
 <213> Zea mays  
  
 <223> unsure at all n locations  
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 <213> Zea mays  
  
 <223> Clone ID: LIB3066-030-Q1-K1-A4  
  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-A6  
  
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aaatattttt gacttgtatt gtttttaatt tgtttatttgc aataaattta tttgttctgt 240  
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<211> 428  
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<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-A8  
  
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gcggcgccgg acacgctcag catgcggacc agcgcgcgcg cggcgcaggag gcaccagcag 360  
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<210> 22649  
<211> 300  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A9

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<210> 22650  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B1

<400> 22650

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ccgcgcctcct ctttccttc ctcgcctact acctccacta agcgtgtgcg tgcg 174

<210> 22651  
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<212> DNA

<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-B10  
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<210> 22652  
<211> 290  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-B11  
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gccctcctac gggcgccgg cgccgttcgg aggcgccgag tacgcaccct gcgggacctt 180  
ctacggccct gtcagtgcca gcgggccatc ggctgccgac tccctggcgt atgggccag 240  
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<210> 22653  
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<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-B12  
<400> 22653  
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gcggagggtgg cgcgcatggg gctcgccggg gacgggtcgg cggacaccgc ccacctcagt 180  
aataatgaaa atgggcggtt catttatgga gttgcgagtt ctccctggtaa aagagcatcg 240  
atggaggact tctatgaggc aagaatagac gacgttgatg gagagaaaat tggaatgttc 300

ggtgtatatg atggtcatgg aggagtccga gcagctgagt atgttaagca gcacctttc 360  
agcaatttaa tcaaacacccc aaagttcatc actgataccca aggctgctat cgccgaaact 420  
taca 424

<210> 22654  
<211> 239  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B2

<400> 22654

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gaccttctg ttggttatca cctggcaccc tatgcatttc ttgaagaact aggggatcga 120  
cgggatgcct ggcacgcaat gcgcgattct gcctaacacc gacttaacgt cccgtggcag 180  
tccaagggtcc acatcctcag ctttttctac ttccatatcca tcggtgtgca aaaggcatt 239

<210> 22655  
<211> 432  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-K1-B4

<400> 22655

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cattcttacc gcagtagtgc cagcagcagc agcagagcta ttaccagtgg ttctcaatat 180  
tgtgacgcat acagtggtgg tggcatcaac aacagaactg ttccctgaatc tgccaagata 240  
tctccattgg tggtagctga aaatgttaca ccgcaagaga tggttctgt actgaagaca 300  
ctggaaccaa tcaaatgtac taccagctgc ggcaaagaga agccatttgc cttgctgtcg 360  
cgccagttt cccctgcaag gtacaaggng atgttccaccc tttggaacca aaaccaactg 420  
gcttttgac aa 432

<210> 22656  
<211> 143

<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-B6  
  
<400> 22656  
  
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gcaacttctt ttctgtgagc cgtggcgtg tatgcacgtt ttaggtggag aaaaatggtat 120  
aaatcagatg aaagggtgaa tgc 143  
  
<210> 22657  
<211> 429  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-B7  
  
<400> 22657  
  
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ttcgagatca accaaaaatt ggatgacctg tactacggct tcgaaggccct gcaaccgtgc 180  
gtggatgatt ggaatgtcca ctacctaaccat catgatctct aggtgaactt catggacgac 240  
ttcgacaggg ccctcgagca gattagctct aacgtcatca atgtactcta tatcaatgtat 300  
gttcatatgg caggtactat cggaaaccagc gatgtgcttc atgatatcca tgtaatgtac 360  
atcaagaacc tcaagcccat tagcgaaggt ggcggtgagc cgcctcatgg gaaacttggc 420  
tggccatc 429  
  
<210> 22658  
<211> 430  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-K1-B8  
  
<400> 22658  
  
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tacgtggaaa ttgcagtctt tgtttgaaga gctaaagagaa aaacaggcca acgaagaattt 180

ggatagatgt ggactctgct ttgcgaaatt gatgaagttat catgtttctg catccatgga 240  
agagctaaggc acttcttattt accgttatcaa aacctttgtt gataacttga aaatatttgg 300  
taacagatcc gtgtcagcag aggatggagc taatggtccg tctaaggcaat caaaccctcg 360  
tagatatctt gaggaagaat atctccaaac tgagaaaaag gtcgtagctg cattcagttt 420  
ggttgatagt 430

<210> 22659

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B9

<400> 22659

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agaaacgcaa tcaagtacaa gttattgggt ttggagggtt gattcgactt atggaagggg 120  
acgaggagga cgagaaaaggg gatggttcag cccactttgg gttgcatttg caattctgat 180  
tggtgtctc ttattggatg tgctgatatac tgggtttctt ggtgttccg cacttcctgt 240  
caatataata attgggtttc ttatagttct cggattgggg caccgccttc atctagctct 300  
tgagtgctgt cacgaatggg gctcaaggag gaacggttggc aatattccga ggctggagaa 360  
catagcgccg actgggttacc accctgcagt agtataatcg ttatggact tgtaaatagc 420  
gtaag 425

<210> 22660

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C1

<400> 22660

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gagcgagagt aggggcgtgt cggcggtgaa agcgactgcg tcagccatgg cggacgagga 120  
gcattcggag aggagagagg aggcctccga gcttgcccc ttcgaccgaa ccaagaagaa 180  
gaaaaagaag aaggttgtca tccaagaacc ttctgatgaa gtggacaagc ttgcagagaa 240

gacagaaaaca ctggcagtcg cagaaccgc tgaacttaac ttcactggaa tgaagaagaa 300  
aaagaagaag ccggtggtac ttgattcaac tcttgatgag cttggagatg gggaggacac 360  
tcaagatgat caagctgttag aggaacaagg ggaaggcatt gtgctggaa gtgtccctac 420  
atacccttgg ga 432

<210> 22661  
<211> 425  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C10

<400> 22661

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atggatcttt tgatctaattg acatacaggc ttagcactca ggtaaaacct ctatctggg 180  
tcgaaggcaca gattgagaaa cattctagaa gccgtataga actcatggtg aaggcaagga 240  
gtcagttaa agaaagaagc acagcaacga atgttggaaat tgaagtgcct gtccttcag 300  
atgccacaaa cccaaatata agaacttcaa tgggtctgc tgcataatgct cctgagagag 360  
atgcaatggt ttggaaaata aaatcattcc ctggtgccaa ggaatacatg tgcagagcag 420  
aattt 425

<210> 22662  
<211> 354  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A3

<400> 22662

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gaaatgatac aactacacaa cattactaaa accataaatt taatcaactc cactataatc 120  
caactacctc tacaatcatt aatctaaata tttcttattc acatttattt atgcctattc 180  
acaaaaaatc gtactcttac tgactttaca tctttcata atagctctac atttctctaa 240  
tttttacaat tgagaatctt aacctctctg taacgctcat cataaataac ttaatattcc 300

aaaatactct ttacacctct atattcaactc tttacgacaa tttcaacata cact 354

<210> 22663

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C11

<400> 22663

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tcagtttgtt ggtgtgagct gatcgagatg gcgtatgtagg tatgtatgagt accgctgctt 120

gttccgcgggt ctgcactgag ccactgacga cgactctctc cacaactcct tcacaccta 180

ctgcaagggtc ctctagtaca atatcatact cgatcggttg actcagaggt 230

<210> 22664

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G9

<400> 22664

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acaagaagca ttcttaggcac agtagtagca atggaggtgg cagaaaaaga gacaagaagc 120

attcttaccg cagtagtgcc agcagcagca gcagagctat taccagtgg tctcaatatt 180

gtgacgcata cagtgggtgtt ggcataaca acagaactgt tcctgaatct gccaagatat 240

ctccattgggt ggtagctgaa aatgttacac cgcaagagat ggttcctgta ctgaagacac 300

tggaaccaat caaatgtact accagctgctg 5' gcaaagagaa gccatttgcc ttgctgtcg 360

gccagttttc ccctgcaagg tacaaaggga tggcac 397

<210> 22665

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H1

<400> 22665

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gggaccgagg atttggccga gttctaggta gagaatcggt tttacttgta tcaacccggg 120  
gtctgctgcg tctgggtggta gtgaagggggaa gaaattcggt agatctgttc cgattaaagc 180  
gtgcgagctc gggaaatcaag gtttacacat atagcttcgt cgatttgaat ttgatgtact 240  
aatggagtct aagggtggca aaaagtcttag cagtagtcgt tctatgatgt atgaagctcc 300  
ccttggctac agcattgagg acgttcgacc tgc 333

<210> 22666  
<211> 268  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H10

<400> 22666

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aaaagaaaaga caaacaaaaa aaaaaaaaaa atagctaacc gggagagccc cgccatggtc 120  
catcttaact tcctcgcaaa attaagttaa caggccgctc ctttttatt ctcacggct 180  
gattcggggg tggccctta aaaaaaattt gcttggagag aacacagccg tttcccttagc 240  
taggcgaatc tcccaaaact cccctttc 268

<210> 22667  
<211> 412  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H11

<400> 22667

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catcaaccac tacaccacgt actacgccag caacttcgtc aacgccacag agaccaacta 120  
ccgcaacgt tggaatgcaa agatttcgtt tgagcgagat ggtgtgccca ttggcaaaag 180  
ggcgtactcg gactggcttt acgtcggtcc atgggggctc tacaaggctc tgatttggac 240  
caaggagaag ttcaacagcc ctgtgatgct catcgagag aacggaattt accagcctgg 300  
aaatgagacc ttgccgttcg ctctgtacga caagttcagg atagactact tcgagaagta 360

cctgtacgag ctccagtgcg ccatacgcga cggtgcaaac gtcttcggct ac 412

<210> 22668

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H12

<400> 22668

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atatatattaa tttaatttta aattattttt tatggagagg gtccacttta attttaatt 120

tatttgggga tggtctatca cactggcttg tcactgggtc ctcgtctgcc ttaccgtcgt 180

tgtactatac catcaaatat aatttagtgta tgtcgtaaca cacgagtatt gtactagttg 240

tttttatttgt tttgggtgtca ccacttaagt gttggcttac attacactag tacaatgttc 300

atgcattgca gcggcacata agaacaata ttatattta tcttaaccaa aaagtctaga 360

aagggatgag ttaaaaaaaga attccaccct ctttt 395

<210> 22669

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H2

<400> 22669

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ttcagaaggg agccagctcg ccgacgacgt ggaaggggaa agctctctcg agaacgtgaa 120

gaaacagctt gagatcaaca agaaggcgat ggccgcttacaaggagc ttgaggaaga 180

acggagcgct tcggcggtcg cggctagcca gacgatggcc atgatcaata ggctgcagga 240

ggagaaggct gcaatgcaga tggaggctct gcaatacctg agatgatgg aacagcaggc 300

tgaccacgac cacctggcga ttcaggacct gcacgatttg cttacggaga aggagaaaga 360

gttgcttgac ttggacgctg agctcgcgca ctgcaggagg ctcctgcaga acg 413

<210> 22670

<211> 407

<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-H3  
  
<400> 22670  
  
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acgagacagt caccaacgac gagattgctg ctgacctgaa ggagcacgtc atcaagccag 180  
tcatccccga gcagtacctc gacgagaaga caatcttcca cctcaacccg tctggccgct 240  
tcgtcatcg 0ggacacctac ggcgacgccc gcctcaactgg ccggaagatc atcatcgaca 300  
cctacgggtgg ctggggagcc cacggcgaaa ggcgccttctc cggcaaggac ccgaccaagg 360  
tggaccgcag cggggcctac gtcgcgaggc aggctgccaa gagcatc 407  
  
<210> 22671  
<211> 420  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-H4  
  
<400> 22671  
  
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cctcgtgcgt tttccaaatc agtcaggttg atggcgatgg agggaccagt tttatgccgc 120  
cctgcaatgc aagccaaatc gcctgctgct gcgtggta acaactccct gaccagattc 180  
gggcagcttgg accatttc aaaatacagg aacgtttcaa gattcatttc tcccatctct 240  
cagccatcta cgaagaacat aggtccatgc tgtagctca gtcgtttc tggcaat 300  
ggatacatgg ctggaaactt tagcgacagt gatgaagatt atgttaattc tactgtgcta 360  
gaaggcagttg aggtgagaag tggatggaa cgtatgtga taaagatgctc agatggaaa 420  
  
<210> 22672  
<211> 431  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-H5  
  
<400> 22672

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aggcgacgcg acagccgcca ggaggaagga ataaaactcac tgccagccag tgaaggggga 120  
gaagtgtact gctccgtcga ccagtgcgcg caccgcccgg cagggctgct catctcgctcg 180  
acgaccagtg gattaatcgg catggccgct ctggccacgt cgcaacgcgg 240  
gccggcctgg gcgtctcgga cgcgtccacg ttccgcccgcg ggcggacacg 300  
ggggcccccggg cgtccgcggc ggcggacacg ctcagcatgc ggaccagcgc ggcgcggcgc 360  
cccaatcacc atcaacaago ggcggcggg ggcaagttcc cctcgcttt cgtgtgcgg 420  
agcgccggga t 431

<210> 22673  
<211> 59  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H7

<400> 22673

accacgcgtc cgaaaaaaca tgaagtttg taaaaggac tcaaatatga taatgtagg 59

<210> 22674  
<211> 267  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-H8

<400> 22674

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cccagcatcc gaacatgcct ttatatatat atatattttt ttttcttgc ccggttttgc 180  
tgatagcatg gtgagaagct gtatattgga gccattcaat gtaaccatta tttattttg 240  
acagaagata atgtaatttc ctggngt 267

<210> 22675  
<211> 434  
<212> DNA

<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-H9  
<400> 22675

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accgagggcg tgccctggg gatggcaac cccctcccg acatctccgc cgtcgtcgat 120  
gacgccttcc tgacaaagta tgacatcaag ctgaacaatg ctattctcgc tgaggagaag 180  
cacttgccta tgtatgacga gttggctagc aagagcaatg ttgaatataat tgccggagga 240  
gccacccaga actctatcag gttgcccaa tggatgcttc aaactcctgg tgcaacaagt 300  
tacatggat gcattggaaa ggacaagttt ggtgaggaaa tgaagaaaaa cgctcaagct 360  
gcaggaggtta ctgctcatta ctacgaggat gagactgctc ctactggcac atgtgctgta 420  
tgtgttgg 434

<210> 22676  
<211> 365  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-A1  
<400> 22676

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ttaattttaa atttatttgg ggtatggctta tcacactggc ttgtcactgg gtcctcgct 180  
gccttaccgt cggtgtacta tacccatcaa tattaataag ggattgtgga acccaacaat 240  
tttggaccta gtggtttaa tggttgggg gtaacaactt aagggtgggt taacattaca 300  
ctattccatt gttaatgcat tgaaccggac cttagaacca attttattat ttaatcttac 360  
ccaaa 365

<210> 22677  
<211> 383  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-K1-A10

<400> 22677

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cctgcaatgc aggccaaatc gactgctgat gcgcgtatca acaactccct gaccagattc 180  
tggcagcttg ggaccatttg aaaatacacg aacgtatcaa gattcatttg tcccatctat 240  
gatccatcta ctaagaacat acttacatgc tgtagctaca gctcgtcttc tgacagcaat 300  
ggatacatag ctaaaaaactt tagcgacagt gatcaagatt atagttattt ctactgtgct 360  
cgcaccagct gaagtgaaaa gag 383

<210> 22678  
<211> 429  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A11

<400> 22678

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gaaacagctt gagatcaaca agaaggcgat ggccgctt tacaaggagc ttgaggaaga 180  
acggagcgct tcggcggtcg cggctagcca gacgatggcc atgatcaata ggctgcagga 240  
ggagaaggct gcaatgcaga tggaggctct gcaatacctg aggatgatgg aacagcaagc 300  
tgaccacgac cacctggcga ttcaggacct gcacgatttg cttacggaga gggagaaaga 360  
gttgcttgac taggacgctg agctcgcgca ctgcaggagg ctcctgcaga acgatccgtt 420  
caacggcga 429

<210> 22679  
<211> 419  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A12

<400> 22679

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gaccgaggat ttggccgagt tctaggtaga gaatcggtt tacttgtctc agcccggtt 120  
ctgctgcgtc tgggtgggtt gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180  
gcgagctcgg gaatcagggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240  
tggagtcataa gggtggcaaa aagtctagca gtagtcgttc tatgtatgtat gaagctcccc 300  
ttggctacag cattgaggac gttcgacactg ccggaggcgt gaagaagttc cagtctgctg 360  
cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttctc attctagta 419

<210> 22680  
<211> 430  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-K1-A2

<400> 22680

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ccgcaacgat tggaaatgcan agatttcgtt tgagcgagat ggtgtgccc ttggcaaaag 180  
ggcgtactcg gactggcttt acgtcggttcc atgggggctc tacaaggctc tgatttggac 240  
caaggagaag ttcaaacagcc ctgtgatgct catcgagag aacggaattt accagcctgg 300  
aaatgagacc ttgccgttcg ctctgtacga caagttcagg atagactact tcgagaagta 360  
cctgtacgag ctccagtgcg ccatacgcga cggtgcaaac gtcttcggct acttcgcgtg 420  
gtcgctgctg 430

<210> 22681  
<211> 144  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G7

<400> 22681

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<223> unsure at all n locations  
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 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F2

<400> 22683

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<213> Zea mays  
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<213> Zea mays  
  
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caagtggcat	aagagactct	ggatgtggtg	ccataaatga	attnaaagct	tttgtaaggg	240
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<213> Zea mays  
  
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gtaataatga aaatgggcgg ttcatttatg gagttgcgag ttctcctggt aaaagagcat 240  
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<213> Zea mays  
  
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taacagatcc gtgtcagcag aggatggagc taatggtccg tctaagcaat caaaccctcg 360  
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<210> 22696  
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<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
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tttatatggc agccactttt ggtacagttt atgtgcttag gttatccaag ttttggccg 360  
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<213> Zea mays  
<223> unsure at all n locations  
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432

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<400> 22698

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<212> DNA  
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<223> Clone ID: LIB3066-030-Q1-E1-D8

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<210> 22703  
<211> 433  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
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<210> 22704  
<211> 437  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-E3

<400> 22704

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<210> 22705  
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<223> Clone ID: LIB3066-030-Q1-E1-E4

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<212> DNA  
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<223> Clone ID: LIB3066-030-Q1-E1-E5

<400> 22706

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<213> Zea mays  
  
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<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-E7  
  
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<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-E8

<400> 22709

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ggccatgg ctaagctcgc gctggcgctc ctcctctgc tggccgtggc ggcgtccgc 180  
tcggccagca gcgggagcca cctggatctc gacctggct tcctctctc tggggaccgc 240  
cgaggaggat gccgcgggac ggtggccgag tgccctcgccg aggagtcgga tgaggaggc 300  
cttgacctgg ccggattcca ccgcgcgcg ctctacggcg gcgggtacat cagctacggc 360  
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<210> 22710  
<211> 335  
<212> DNA  
<213> Zea mays

<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-E1-E9

<400> 22710

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gccaccctcc aacgcggag cgcctccata cggcgccgcg ggccttcgg gggctccgc 180  
cgatgcggcc gccggcgccct ccgagggccc tgcgagcgcc agcggcccgatgtgtacga 240  
cgccgcggcg tccggtgctg gtgccagcgc gtccgtctgatgtccgg cggcggnnng 300  
ctcatccggc ccctctagcg caccagcgcc atcgt 335

<210> 22711  
<211> 423  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F1

<400> 22711

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tgagttttag aagcggaaac tggccaaaga tgatgtccga gaattgattt accgagagat 180  
tttggagtagc catcctcaaa tgctacaaga atacctacaa ggagcagacc acaatcagat 240  
gaccttcatg tatccaagtg gggtagatcg ctgcaggcgc caatttgctc atttggaaaga 300  
aggtactgca aagggtgaaa aacacagtcc acagctgcga cagaatgttt ctttgccaaag 360  
ggaaagagta attggcacta aacatggaga tggcaataca ggtgatacgc tagcgcatgc 420  
ctc 423

<210> 22712  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F10  
<400> 22712

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gcgcacagccc caacacggac ggcattccaca tcggcgactc cagcaacgtg accatcagca 180  
gcaccaccat cggcgctggc gacgactgca tctccatcg 60 ccccgggagc aagatgatcc 240  
gcattccatgg tgtcaagtgc ggccatgcc acggcatcag cgtcgccagc ctggggcgct 300  
acaaggacga gaaggacgtg gaagacgtgc agtgacggg gtgcacgatc gccggcacca 360  
cgaacggcct ggcattc 377

<210> 22713  
<211> 447  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D6  
<400> 22713

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gagggagctg gatggcattc agtgagct acaagcaacc gacccgagcg aaatgagcat 180

ggacatcgac aagtgcgag ccctctgaaa cagccccgc cgctgcacct gcacgctgca 240  
ggggcgcatc ggctcctgca tgcccgtggg tcgtcgaatc cttgcttgtg tgttggaaac 300  
ggtcttgtt tttcgtgtcc ttgtttcct ggaagcaaaa gccctgcatt ctatatgaga 360  
ctgtatgcca tttccatct tttctctcc ccatatctct gccctagtc tgctaccgct 420  
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<210> 22714

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B9

<400> 22714

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taggagcaag cgatccaatt atcgatagag cgcgagatcg atcgatcatg ccgggcccgt 180  
cggtggtctc catcctcctc ctccctccctc atggcctcct ctgcctgcag ctggctgcct 240  
tggccgagat ggacgacgac gacgtcatgg aggacggcag ctgcacatgc ttcagtgtgt 300  
ccccgcccgc tgctccgccc gaggacgcgg atgagcggcgc cgactatttc cgccatgc 360  
aggccaagga tctgttccgg cacgagcaga tgatcacatg gatgggc 407

<210> 22715

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C1

<400> 22715

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agaagtgttg ccatctatgg atgattctgt tggaaatttg tttgctaatac gcagcacaca 180  
tgaagtgggt agtcatcat gtgcaggaca tgagatacat atcgatgaga ttgatgtaa 240  
tgttcacccct gcacaacaca cttcttctgg ggaggctaaa actggcaagc aagaaaacat 300

aaacaatgaa tgggtggaa gacttgcac agtcgaagg gtcagtgagc aactaaatct 360  
acattctgat tctattacaa atggcagtca gcatgattt attccaaac ttgatgtgct 420  
atcatcaaat ac 432

<210> 22716  
<211> 405  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-C10  
<400> 22716

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aagcaactgaa ttacgatgat caaaatggaa accttccgac acctccttgg gaggctcagc 180  
cagccggcaag caacgaaatg ccaaattggc aattgggagg cgtgcaaccc cttcctgg 240  
cagctgggca gttcggcggc atgcagcagg cactgcaacc acaagttaac cacatggag 300  
ttccacaaag gcagccaatg tacagcaacc agccagggt tgggtggcg ccaacacaga 360  
tgcaggcacg cttggggAAC cagcagttgg gttcgcacatc catga 405

<210> 22717  
<211> 248  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-C11  
<400> 22717

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tgggaagtca ttttctcttg ttcgtgtca ttttcatttc atttccctgg gttttgttt 180  
tgtcgccctct ggaatggAAC attcctttc gtaacttaag tgaattgcat tacattaaat 240  
tttccttt 248

<210> 22718  
<211> 355  
<212> DNA

<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-C2  
<400> 22718

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gtgacacaat ttggacagaa aagctatatt tttcatcagc tgctgcctt ctggggta 120  
ctctcatttt ggcgatactg cggacttcaa gtttaagaga cgaagttct agagtcatgg 180  
ttgccgctcc tattctggca tttgtgacaa cccacattct gtacctcaac ttctatgagc 240  
ttgacaaagg cctaaacatg aaggtttgt a ctgtgataag cattgctcag tgtctcctgt 300  
gggcactgtg ggctgtcatg agtgggcattc gttcgccgtt caagatcata tctgt 355

<210> 22719  
<211> 423  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-C3  
<400> 22719

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cagagacttc aattcctctc aacttactta ccagcaagaa cttcaacatc ttgaaagttg 180  
ggtgaaagaa tgcaggttgg accaactacc atttgcgat caaaatttgg catacttctt 240  
attgtccgct gctggctgca tgtactcccc tgaactgtct gaagctcgca ctttgcgtgc 300  
aaaaaatggc gcgctcataa ctattgtga tgacttctt gatgtggag gatcaaaaga 360  
agaacttggaa aacccttgtca tggtgggtga gctgtgggac gagcatcaca aaattgagtt 420  
tta 423

<210> 22720  
<211> 421  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
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aaggcgccgg gcccgggtgg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca 180  
agacggatag cacgaaggct gtgcangagg cgtgggcattc agcgtgcggc ggcaccggga 240  
agcagacgat cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc 300  
catgcaaggg cgacgtgacc atccagggtga atggcaatct gctggcgacc acggacctaa 360  
gccagtacaa ggatcatggt aattggatcg agattctacg cgtggacaac cttgtcatca 420  
c 421

<210> 22721  
<211> 390  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-C7  
  
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gccacgctgg cgctggccca cggtgcgcaa ggaggaggac catcgccatc ggcggcgac 180  
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cgatcgatgc tggactgtt tggggacacc gttcctaaaa ctgcagagaa cttccgagca 300  
ctttgcacag gggagaaagg aattgccaag tccggcaagc ctctgtggta caaggggtcg 360  
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<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-D1  
  
<400> 22722  
  
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gaagaagaac cgtatccagg tgtccaccaa caagaagccg ctctatttct acgtcaatct 180  
cgccaagagg tacatgcaga actacgacga ggtttagctc tccgctctgg ggatggccat 240  
tggtaccgtg gtgaccgtcg ctgagatcct caagaacaat ggcctcgcca ctgaaaagaa 300  
gatcctcaca tcaaccatcg gcaccaagga tgaggcgaag ggccggcttgc tccgtaaagc 360  
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<210> 22723

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D10

<400> 22723

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gcaggagcga gatggagatg aagaggatcc tcttcgcccgt cctcgtcgtc atcgccgcct 180  
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cggggccctc cgccagcagc ggcgcgccccg ccctcgccgc cgcccccgc ggcgtccctct 360  
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<210> 22724

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D11

<400> 22724

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tcgctgcctc cgatggcggt gggccgacgt acgggtacac ggcggggagc cccgacgggc 180  
cgaggagaactg gggcaagctg agccccgcgt acaagctgtg cgggcagggg aaggcagcagt 240  
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gcacctacgc cgccaccgcc gccacgctca tcaacgacgg ccacgacatc acgatgacgt 360  
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<210> 22725  
 <211> 407  
 <212> DNA  
 <213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-030-Q1-E1-D12

<400> 22725

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 cttgttgcgc tcttcgcgtc gtctgcaaaa tgcgtcctg agccactcga cggcggcgcc 180  
 aacgttaacg gcaatggcac ggcgcgcaca gtcaacggcg gcggccccgg ccccgcccc 240  
 ggcgcgtac tgaagctgca gttctgcattc cagaggaact gcgtgtacga aggccgtggc 300  
 aacgccccgt gcttctgctg cggggccttg aagcccaacc agtgcatacg aacgagggac 360  
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<210> 22726  
 <211> 382  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D2

<400> 22726

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 aagagctgct accatcgacatgact accacatgat gctaagattt ctcaaggcaa 300  
 gaaagttga tatcgagaag gcaaagcaaa tgggtctga tatgctgaag tggagaaagg 360  
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 <212> DNA  
 <213> Zea mays  
  
 <223> unsure at all n locations  
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 <213> Zea mays  
  
 <223> Clone ID: LIB3066-030-Q1-E1-D5  
  
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<212> DNA  
<213> Zea mays  
  
<223> unsure at all n locations  
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acggcaacat cac 433  
  
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<211> 431  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-A12  
  
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<210> 22731  
<211> 241  
<212> DNA

<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-E1-A2  
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<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-A3  
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aagagttctt taggacactt cagcggcact acagcaacac ctgtatagat gctaacaac 300  
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<213> Zea mays  
<223> unsure at all n locations  
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<210> 22734  
<211> 323  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A5  
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<210> 22735  
<211> 416  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A6  
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tgaagtattt agtgatggag gtggttgccc tatgctaaga tcattgatcc ttgacaattg 180  
cgagaatttg agcattgttag aactgaacag cagttcttg tcctgcctct ctcttgctgg 240

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tggctgtgat caccttcaaa gtgcagcatt ctgtccagtg ggtctcgaat ccctaaatct 360  
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<210> 22736  
<211> 200  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-A7  
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ttaacgtgtt tcattcaccc atcttattgt gattgatcgc ttgcaataaa aaggccatct 180  
ttactaacta aaaaaagaaa 200

<210> 22737  
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<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-A9  
<400> 22737

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aggaatctgt tgcttgttta ctttcttcta atggcaagt 159

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<213> Zea mays  
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tcgcccgtgta cgccaactgg gagttctgca agatgcaggg catcggtgg ggctggggtg 180  
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<210> 22739  
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<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B10

<400> 22739

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ccacttcacc gccatcgtgg tcgcccggcat ggggttcttc accgacgcct acgaccttt 180  
ctgcatctcc ctctgtacta agtcctcgg ccgcatactac tacaccgtgg aggggtccgc 240  
gacgcccggc accctcccgcc cgacgtgtc cgcgccgtc aacggcgtgg cttcgtggg 300  
cacgctgtca gggcagctct tcttcggctg gctgggcgac aagctcgcc gcaagaaggt 360  
ctatggcatg acgctcatgc tcatggctt ctgcgtccgtc gcgtcgccgc tc 412

<210> 22740  
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<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B11

<400> 22740

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gtagatttgt ttccatgctt cggaaatcctt caccaattct tcgtgcttgt gctgcctttg 180  
cccttcttca gttcacaatc ccaggagggtc ggcgtgcagt gcatcagcga ggtctttgc 240  
aggaagcagg ggcaggtcgg gtgttgcgcg caacagcggc agcgacaaca gcttctattg 300

aagctaaaat cttgccagg attgtactca cgaacttggc gcaccatcg ttagggatgt 360  
caacatgaac acccagcaga gttcatcct ccaataaaca aaggcctctg catcgatgg 420  
ctg 423

<210> 22741  
<211> 76  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-B12  
<400> 22741  
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ttcgtcctct taattg 76

<210> 22742  
<211> 422  
<212> DNA  
<213> Zea mays  
<223> unsure at all n locations  
<223> Clone ID: LIB3066-030-Q1-E1-B3  
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caactttgtt gccatgactc taaaggaaatt tgttagaaaca gaagatgggaa acgatgaaca 180  
acgagcgctt ggtttcacat ttttttccc agtttagacaa acatcagttat cttcgggtc 240  
attgattagg tggaaataaag ggttttgat tgaagatgcg gttggaaag atgtggctca 300  
atgcttaaat gaagctcttg ctangaatgg actaaatgtg cgagttactg cactggtaa 360  
tgacaccgtg gggacattag ctcttaggaca ttatcagat gaggatacag tggctgctgt 420  
ga 422

<210> 22743  
<211> 433  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-B4

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 actaagtgtat gcggcaagca gattctttt gttgtactca tcagagattc ttggtttcat 180  
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 <211> 411  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B5

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 tggagtcctc cctcgccctcg cgatccatta ggtttccctt ctccgcgtc gccagcatca 180  
 ggggcgcgcg ttcccccagg ccctcgccgc tcgccaccctt cgccagcgcc tgccgcggcg 240  
 cccgctcccg cgcgctccgt gctggccaca cggactcaat ctttgaggtg ctggcacagg 300  
 acgatatgct gaacgcaaag gagctggtcc aatgggagaa tggcttgtca ttcaatgaca 360  
 tagcggctag gcagggattt cgcacatccgca gacactgccc cccactgccc t 411

<210> 22745  
 <211> 386  
 <212> DNA  
 <213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-030-Q1-E1-B6

<400> 22745

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gcatggccgc gccgcggcgc agggcccccgg ccgactacga ctaccttatac aagcttcttc 180  
tcattgggga tagcggtgtt ggcaagagtt gcctcctgtt gcggttctct gatggttcct 240  
tcactacaag ctttattacc acaattggta ttgactttaa gatacggaca atagaattgg 300  
atggtaagcg tataaagcta cagatttggg atacagcggg ccaagaacgc ttccgtacta 360  
ttaccactgg gtactaccgt ggagct 386

<210> 22746  
<211> 428  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-B7  
  
<400> 22746  
  
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ccgcccggca cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctttc 180  
gccgtctcg tcgtcatcgc cgcctcgcc accgcagtgc tggcctccac cgaggccgccc 240  
gccgcggcgc ccccaactgc ctccgagtgc tccgcccagg ctcccgctgg cgctggcgct 300  
ggcgctgccc ctggcgccgc cgcctcgggg ccctccgcca gcagcggcgc gcccgcctc 360  
gccgcggcgc cggcgcgct cctttctcc ctctcggtc actacctcca ctaagcgtgt 420  
gcgtgcgt 428

<210> 22747  
<211> 367  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-030-Q1-E1-A11  
  
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caaccagacg cgggtcgta agaccctgg tggcaagctc gtgtaccagt acaccaagaa 180  
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gaggccagct gagtacaaaaa ggtccaggtt gtctaggaac cgcagaactg tgaaccgtcc 300  
ctatgggga gtactatctg gaactgcagt tagagaaagg atcatccgtg ctttcctggt 360  
tgaagag 367

<210> 22748  
<211> 440  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-029-Q1-K1-G6  
  
<400> 22748  
  
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gcctgctcta ccgcagggcg ctcaaggaca cgctcaactg ggccgtccac cgccacctct 180  
tctaccagga cgcgctggat ctccggaca agttcgaggc caaccgacac gtggataacc 240  
tggacgtggt cgataggctc atcgacgatg cggaggctca gtacaggaac ttccagcacc 300  
ccgatcccta cattgttcca tgggcaccag gcggcactaa attcacaaga aaccccccctc 360  
cacctaagg gatcgagatc atctacaatt atggcaagga ggaccagtaa acaagagtcc 420  
tgcaagcggt gggcagaact 440

<210> 22749  
<211> 437  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-029-Q1-K1-G7  
  
<400> 22749  
  
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gtgcacctct gtcaagtgac acacaaagat ttatgaatat atgtctaggt gtcccagtgg 180  
gtcaaggcta tggattgact gaaacttgtg ctggagcagc tttcactgaa tgggatgata 240

caa atgtggg tcgtgttgggt ccaccacttg cttgctgcta tgtgaagctt gtctcatggg 300  
aagaagggtgg ttacaagatt tctgattctg cgatgccgag aggagaggcgt gtggttggcg 360  
gacacagtat aacataaggt tatttcaaca atgaagcaaa gacgaacgaa gtatacaagg 420  
ttgatgagag gggcata 437

<210> 22750  
<211> 425  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-029-Q1-K1-G9  
  
<400> 22750

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ccgggtggtc cttcgacatc accaagttgg gcgcctccgg caatggcaag acggatagca 180  
cgaaggctgt gcaggaggcg tgggcattcg cgtgcggcgg caccggaaag cagacgatcc 240  
tcatccccaa gggcacttc ctcgtcgac cactcaactt cacaggccca tgcaaggcgc 300  
acgtgaccat ccaggtgaat ggcaatctgc tggcgaccac ggacctaagc cagtacaagg 360  
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agctc 425

<210> 22751  
<211> 444  
<212> DNA  
<213> Zea mays  
  
<223> Clone ID: LIB3066-029-Q1-K1-H1  
  
<400> 22751

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ataagctagg tggccagttc cacctgagct ccagcttctc tgaagggtgtt cggcccgta 180  
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ctccgcttt	tgccaatgct	ccagccgaga	aaggtggcaa	aaacttcatg	attgattca	360
tgatggcgg	tgtttcagct	gctgttcga	agactgcagc	tgctccatt	gaacgagtga	420
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<213>	Zea mays					
<223>	Clone ID: LIB3066-029-Q1-K1-H11					
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cgcgacacct	gccgcgagat	cgggttcacc	tccgacgacg	tggggctcga	cgcgcaccgc	360
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cact						424
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gccctcagca	gcggcgacgc	ggagcggag	ccctccgtgt	tctccaagat	caccaggttc	240
gaggaggagc	tccgcgcgtt	gctgccccag	gaggtggaaag	ccgcggcgt	ggcggtcgcc	300
gagggcaccg	cccccggtggc	gaaccggatc	gcggacagcc	ggtcgatccc	gctgtaccgc	360

ttcgtgcgcttggagagtcgg ctgcgtgttc ctgaccggcg agaggctcaa gtccccccgc 420  
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<210> 22754

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H3

<400> 22754

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gttgctctaa ctaccaatcc ttctttccat gaacttctct tgactactat aaaaaattgg 180  
ccaccaacat tatactcagc ctcaccggtc atatctgcca ttgagccaca gctaaactcc 240  
tcatcgatgg ctgattcatt gaaagagtca ttagctgaat tgtatgtgat caatggtcaa 300  
tacgaaaagg cactttctct ttatgctgaa ctccctgaagc cagaagtatt cgagtttatt 360  
gagaaataca acttgcattga tgccattcat gataagattt tcaatctt gatagtggac 420  
aataaaaagaa 430

<210> 22755

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H4

<400> 22755

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ttatatgtac ctgccattgtt catttcattttt ggtacgttgc tgcacactttt taccacagta 180  
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<210> 22756

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H6

<400> 22756

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gcgggcccccc gaaggtgcca cccggcccca acatcaccac caactacaac ggcaagtgg 180  
tcaccgctag ggccacactgg tacggtcagc ccaacgggtgc cggcgctcct gacaacggcg 240  
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acgtccccat cttcaaggac ggcaagggtc gcggctcatg ctacgaggtg agatgcaagg 360  
aaaaaacctga gtgctcgggc aatccagtca cggtgtacat cactgacatg aactacgagc 420  
ctatcgctcc ctaccacttc g 441

<210> 22757

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H7

<400> 22757

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acgttttagta ttatactgaa ctttcagtc tccatggcct tatatgcatt gtttctttc 180  
taccacttgt ttgctaaaga gctggcacct cacaaggcctc ttgcaaagtt ctgtgcattc 240  
aaaggattg tcttcttctc tttctggcag gttttgcgc tcgatgtttt aacccaagca 300  
ggcgtgatca aatccacca tttctggctg gacgtggagc acatccagga ggcgatccag 360  
aacgtccctgg tgatccttga gatggtggtg ttctccgtca tccagcagta cgcataaccac 420  
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<210> 22758

<211> 446

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-H8

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gactgttgc gcaaaataca acacaagaag cattaccagc aatgctacca tgaacactta 180  
cgtacaaccc acttctggaa gtttgccaa cagacttgcg aaaaatgttgc atgtaaatcc 240  
gaacatttgc tccatcagta atagagatgc caagagttct gatatgaagg cccacatggg 300  
aagcaacacc atcagtgacg ccaaaagctc tattgtaaag ctagatacag gtaacatcac 360  
tgatagaaat gccaaacctg tcgatataaa gcccaactct gacaacatct ncagcagaga 420  
tgacaagagc agtaatgtgg atacta 446

<210> 22759

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H9

<400> 22759

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aataaaacacc aggttttcc agggaaaccag tgagaagctg aagctctcac attcagctca 240  
acctgaaaac aagccagtga aggggcttga attttttcc ggaaagcacc atggaacaga 300  
aagtagctga ctccaaacca attgcggtga cagtcgacgc tgagaagcct gagaaaaccg 360  
ctgctgtaat gggcaccaca gtgcacaggt ctatcaggtt ctcataatcgg aatgcaggcc 420  
ttgttttgtg 430

<210> 22760

<211> 364

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-A1

<400> 22760

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aacaccgtgg acctctccca caacaagctg acgggcgacc cctcccacct gttcgccgccc 180  
ggccggccca tcggcaaggt ggacctgtcg tggaaactacc tcgacttcga cctgagccag 240  
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gtgccgctgt cgctggagcc gctgtccacg ctgcanaagc tggacctgag ctaaaccgccc 360  
tgtg 364

<210> 22761  
<211> 413  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-030-Q1-E1-A10

<400> 22761

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agagggccat cgccctccgcg ggtggggagc tgtctaagcc tgagatcctg tcttcgacca 180  
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gcattcaagt gtacgaacat gtcatcagag cactaagctc gttccaaaggc tgattcgtaa 360  
aaaaaaaaaga aaagaagaag gaaaagtggc agtgctgttg cgtggagtgtt aac 413

<210> 22762  
<211> 436  
<212> DNA  
<213> Zea mays  
<223> Clone ID: LIB3066-029-Q1-K1-G5

<400> 22762

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tgcaaggcga agtgcaccga gcagaagggc atcaccgcgc cgcatgaa ggtgtccaa 180  
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acctgcgcca aggagaagca gcctctgctc agcgagaact gcaggaggtc ctgcacccct 300  
cctccttcctt gaacgcagag cacgcccgc ggtcgctgctt tcgtgcctgc ttgcgtgaca 360  
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tgcatggta taccta 436

<210> 22763  
<211> 413  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F12

<400> 22763

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ctattcttga gaacttcgtt caagaaacaa ctcagtggaa taaaactgct aaagctacca 180  
atattgcga aagttctaag cttgaaagta ctggctctaa aataagcatt atagttgcaa 240  
cagatgccttgc ttgcctcag gcagcgatgg cagaggcacc ccttatggct cgagtgctga 300  
taaactatga gcttcccaca aagaaggaag cttaacttaag acgcatgtca acatgtttgg 360  
cggcagacgg aattgtgatt aacatggtcg ttgggtgtga ggtggttaca ctc 413

<210> 22764  
<211> 439  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F2

<400> 22764

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gtaccagcag tgccctggccg cgaccccggt ggcacgcag gtcgtcagct ccggcatcct 180  
ctggggcctc ggacatcg ggcggcagac cgtcacctac tactccgtc gccccgaccg 240

tcgcggccac gacagcagcc ctcccgaccc cgaggataaa gataataaag acaataaaaga 300  
gtttaaaagtt gatttggaaaga ggggtgggcat cacaagctcc ttcggatttg cttttgttgg 360  
tccagttggg cattactggt atgaataacct ggatcgcatc atccggcgga ggtttcagcc 420  
taacacgttc aaattcgtc 439

<210> 22765

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F3

<400> 22765

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aaaagaaaaaa cagaaagcat ttgacattgg ccagaaatac gtacgacatg ccgtggcctt 180  
tgaaggtatt tctcctgatg tgcctctcta taaagtcaat gaaggaaatg aaccttgctt 240  
cttcaggaca tacttctcct gggatagcgc acgatccgtg attcatggaa actctttga 300  
gaagaaaactt tcagttcttt tcggaatgcg ttcaagagggt ggcaataagg gctcaggtga 360  
tggtggcca actcaaaggg catcagcctt ggccgctt tcatactgcatt tgaatccatc 420  
gtcgcaagga aaacagtca 439

<210> 22766

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F4

<400> 22766

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cttcctcgcc tccgttccgt tccgttccgt cccgcccccc gccgccccgg cattcaggaa 120  
tggagatgaa gaagatcgcc tgcgcgtcc tcgtccgcgc ctggcgcc accgtggcgc 180  
tcggccgcggaa ggctccggct ccggggccca ccagcggctc ctccgcgtc gcccggccg 240  
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gccgcggccg gtcgcccgg a ggcgaagaa gagacgaagc gggagagaga gtgacatggc 360  
tgcgcgcatt ccgatgcgtg ggcattttt tgattcgaca cacctttgt ccttttttc 420  
tttggtccct ctttc 435

<210> 22767  
<211> 370  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F5

<400> 22767

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tgcactgcca aggtcccatg caccggcgtc accatggatg acgtcaacgt cgagtatagt 180  
ggcaccaaca acaagaccat ggctatatgc acgaacgcca agggcagcac caagggtgc 240  
ctcaaggagc ttgcattgtt ctagaccctc agtcgactga cccatctctc tagttataat 300  
ttttctctcg tccttgaatt gtccatttagt tgctatccat ttgttaacgca caacagtaaa 360  
ataatatacg 370

<210> 22768  
<211> 442  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F6

<400> 22768

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cgccgcctag cgggcggcg cggccggccg ctgcgcgtcg ctgcccgt ctcgggggcc 180  
gtcaacgagg ccaggaggcg tggggttccct caagagggcg gggaggacgg gaggaaggac 240  
acggaccccg ccacgctcg aaacctatgc gtcgacgtcg tgctcagcgt gccccagctc 300  
ccggccggcg c agcaggagga gccaaggccc tacatggagc gactcggccg ctcaccgccc 360  
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gggcttaact gttccactct gg	442
<210> 22769	
<211> 437	
<212> DNA	
<213> Zea mays	
<223> unsure at all n locations	
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ctcgccgccc gcgaggggctc caaggaggcg gacaggatcg ccacgctgcc tggcagcca	180
ccggacgcgg ccgtccagca gtactccggc tacgtcagcc tcgatgacaa ggccggcaag	240
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ccgttcccgcg tggacacaga tggcaagaca ctctgcaatt ntaaatatgc ctggaacaca	420
gtggcgaacg tgctgta	437
<210> 22770	
<211> 439	
<212> DNA	
<213> Zea mays	
<223> Clone ID: LIB3066-029-Q1-K1-F8	
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gatgctgcta caagttcagc tatacgctcg cccttggtag cttagatgt taaaccctct	180
cagccggtca gtaattcagc taccaagatg attatgtcaa gcaaattccac tgctaaggaa	240
tttaaactca atccttgc aagggtttc tctccatctt ttgcaagttc taggcaagta	300
cttgcagcta tggccctgt tgacacatac tacatttcac actctgcccc tgaagtacca	360
atgggcgtac ctgtatatga gtcaaagtct gtgcctggcg tttcacctct aaccaacaag	420
gttcattgta gtaacctgt	439

<210> 22771

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G1

<400> 22771

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ttcttgccac ggcaaaacac cttcgccggc gagagcatgg cgatggcgta ccgtgtcctg 120  
gaggtcaccc tggtgtcggc aaatgacctc aagaaagtgt cgctttctc ccggactcgc 180  
atctacgccc tggcttccat ctccggattc gacctccgca tcccttccca cagcacccaa 240  
gcagaccaca gcaacggctg caaccctgc tggaacgccc tggtacactt ccccatcccg 300  
gctgcccgtg acacccgcgg cctcgcaactc cacgtgaggc tccgcgcccc gcgtctatac 360  
ctgggcgatc gcgacatcg cgaggtgtt gtgccatcg acg 403

<210> 22772

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G10

<400> 22772

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cgtggcagac atacgtcgat gagcacctga tgtgcgagat cgagggccac cacctgacct 120  
ccgctgccat agtcggccac gacggcgccg tttggccca gagcaccgca ttcccacagt 180  
tcaagacaga ggagatgacc aacatcatga aggacttcga cgagcccggtt ttccttgc 240  
cgaccggcct cttcctcggt cccaccaagt acatggtcat ccaaggcgag cccggcgctg 300  
tcatccgcgg gaagaaagga tctggaggca taactgtgaa aaagacaggg caagcgatgg 360  
tggtcggcat ctacgacgag cccatgaccc cccgcgtgc aacatggtgg t 411

<210> 22773

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G11  
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 caagtgacat ttaaaaagcc tattgggagt gtcagcgtct ctgggcacaa gtttgttgg 120  
 tgccccatgc catgtggtgt ccagataaca agattggagt acataaatgc cctgtctagc 180  
 aacgtggagt atctggcgta aaggatgca acaatcatgg gaagcaggaa cggccatgct 240  
 cccatttcc tctggtacac cctcaacagg aaggctaca gaggcttca gaaagaagtc 300  
 cagaagtgc tgagaaacgc acactacca aaagatgcc tcatggaaac acgaatcgga 360  
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 gtccg 425

<210> 22774  
 <211> 438  
 <212> DNA  
 <213> Zea mays

<223> unsure at all n locations  
 <223> Clone ID: LIB3066-029-Q1-K1-G12

<400> 22774

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 gtggcgctgg ccctgggtggc cctgctggtg gtggcgccgg cggcgcggcgt ggccaccgct 180  
 tacggctgct acgacgactg ctacgagcgc tgcccaacg gcaagaaaga ccccgctgc 240  
 accaagatgt gcaaccaggc gtgcggctcc acggatcaag gcgccgggtgc cgccggcgcc 300  
 gcgccggctt gatcgcccaag cgcattcatc gcttcagctc gatataatcg ctgctccgtc 360  
 agcaacccac atatgattcg atcaattntc ctgctctaatttctcgaccc cgtcgaattt 420  
 ttttccttcc tatttttc 438

<210> 22775  
 <211> 444  
 <212> DNA  
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G2  
<400> 22775

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tgggtgcaat gacaactaca gctggaactg tggcattgaa ggagaaacaa atgatttcaa 180  
tgtgctaagt ctgcgttcaa ggcaaattgaa gaacttccat gtggcattaa tgatttccca 240  
gggtactcca atgatgctga tgggagatga atatggtcac acacggtatg gaaacaacaa 300  
tagctatgga catgataactc acataaataa tttcagtg ggccagttgg aagaaaggaa 360  
ggatggccat ttcaggttt tctcagagat gatcaagttt cggcataacc atcctatatt 420  
gagacgagac aggtttctca acaa 444

<210> 22776  
<211> 375  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G3  
<400> 22776

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gctcacaagc aatgcgtatgaa gaggcctcgaa cactgatgct gactactctg catggcgcatt 120  
agtgagacat gaagatgtca aaggcgttac aatgtatag catacgcacc tggagggtcc 180  
atcaacgtca cctagctgat cacctacggc cctggcagaa cacacagcgc gcttgctgtg 240  
caactcgcat gagccttagga gtgcggcagc acttcgaatg tgaccaacct gatacgctga 300  
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catgtgcattt cgcat 375

<210> 22777  
<211> 446  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G4  
<400> 22777

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ctgggtgtcaa aagtatgccc cacatactt gatcaaaagg gatcttact ttcttgaca 180  
gttgcatac ctaagcaaaa cagaatcact catatatgag gtaacgcttc cttgacatgt 240  
gtagtgcctt tgcttcagt cccaggcaag aacttaatga ctcaaaccctt aaagcgttat 300  
tatggtcagt agtgtgttc agggcatgta tatttacctt cagttccct gaagcattct 360  
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<210> 22778

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F11

<400> 22778

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aggagaagaa gaagaggaac atggccaaac tccgcggcg tgcctaggcc cagcagagca 180  
caaggatcg agcaggtgcc tactgcctag gcccagtctg ccaggcccg cgctgcgtccc 240  
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tttgtgcagct gattacgcta ggtctattta cgcaactgtc ctgtgtcgaa ttttaacagc 360  
gacggccatg caccaaaccc ccacccacaca catcatttg tttcttcctt tcttttgatt 420  
cgacga 426

<210> 22779

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D7

<400> 22779

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gcgcgtggcga ccttggcccg ggccgaggac ccctacctgt tcttcgagtg gaaggtgacg 240  
tacgggacca ggtccctgct gggagtgccc cagaaggta tcctcatcaa cggcgagttc 300  
cctggccca gyatcaactg ctcctccaac aacaacatcg tcgtcaacgt ctcaaccag 360  
ctcgaccatc cgctcccttt cacctggaac gggatgcagc acaggaagaa ctctggatg 420  
gacgggatgc caagcacg 438

<210> 22780

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D8

<400> 22780

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ccggccagtg accacactct actagccgcc cgaaaggagt tcttccggaa ttcgagcctt 180  
gctgccctca cctctgcagg cccagcggtc agcggagatc caatcgaaa ttcaactgac 240  
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ggttacatcc atggtgatgt ggatggccccc tggtgcgatc atgtatgggt tttactacca 360  
ggtgtttcca ggtgtgagtc agatgtcatc ctgcgcgcag acacttgcga gtgggttcct 420  
ggctgtcata tcggtaatc 440

<210> 22781

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D9

<400> 22781

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ccccctcccaag aagtacttgt cccgcgacct cgccgcgcat acctcgctca agcccagaaa 180  
agacggtcaa tagacccaag aggagttaca gaagaggaat ctcagggagg aacttgagga 240  
acgtgagcgc aagcactact cttccaagga taagtcctat gctaaaaaaaaa gagaccggcg 300  
gaaaagctca agccagctac tcctagaagg ttcaaagaga gaggcagagg ataagatagt 360  
tccacaagaa attgatgcag atgactccga tgtggagcct aaaagtgacg atgagagaga 420  
agacaacaca ac 432

<210> 22782  
<211> 430  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E1

<400> 22782

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ccgtcctcat cgccgcctcg gccaccgtgg cgctggccgc ggaggcgcgg gctccgtctc 180  
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tgtttttttt 430

<210> 22783  
<211> 406  
<212> DNA  
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E10

<400> 22783

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caggcaagaa catcacggcc acctatggca aggactggtt ggacgctaaa ggcacatgg 180

atggcaagcc gacgggtgcc ggtcccgacg acaacggtgg cggctgcggg tacaaggacg 240  
tgaacaagcc ccccttcaat agcatggcg catgcggcaa catccccatc ttcaaggatg 300  
gtctgggttg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360  
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<210> 22784

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E11

<400> 22784

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cgtgcaagtg tttaagctca catgctaaaa gattataggt gatttcaaat ggtgttatcc 180  
caggaggtgc ttgttaatat gttccttaag gaatacagtg actcacaatg aatgctttat 240  
tctgtgattt ccaatggata cttctcaaac ttgcataata gcgttcatct gatgcccac 300  
ctcccagttg accatgatga actgattgtat cctagagggtt ccaccaacgg aaatggcagc 360  
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cct 423

<210> 22785

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E12

<400> 22785

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tagcatcgta aattctattt aaggatgctt atgtgctatc acctttaattt catcctctga 180  
ccaaaggctt catggtcctc taccgcaactt atttctgcaa acatcgagct gatctcgagg 240  
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atagaaagga cgattagact atggtgcccc gaattaccaa tcgagttaca cgccacagat 360  
cgcggttgg gatttggac gtcccaaata cagaaccccg gacttagctg cataggcaga 420  
gagaaa 426

<210> 22786

<211> 443

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-E2

<400> 22786

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gaacgggccc ctcctgaccg agaagatcca ggcgaagaag acgctgatcg tggggccgga 180  
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gcccttcatc ttcgtgaggg gcaacggcaa aggccggacc tccatctncc acgagtccgc 360  
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cggcgtcagc ttcaggaaca gcg 443

<210> 22787

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E3

<400> 22787

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aggatatta ggcggcaacc aaaaatccaa tcctgatttc tacaactgga atagagtaaa 180  
gatcagatac tgtgatggtt catcattac tggtgacgtt gaggctgtgg acactgtcaa 240  
agatctccgt tacagagggt tcagagtctg gcgtgccgtc atcgatgatc tacttactgt 300  
gaggggaatg agcaaggcgc aaaaatgctct tctttctgga tgctcagccg gaagtctagc 360